**Third Generation Partnership Project (3GPP™)**

**Meeting Report  
for  
TSG SA WG5  
meeting: 145e**

**Online, Electronic meeting, 15/08/2022 to 24/08/2022**

Contents:

1 Opening of the meeting 5

2 Approval of the agenda 5

3 IPR and legal declaration 5

4 Meetings and activities reports 5

4.1 Last SA5 meeting report 5

4.2 Last SA meeting report 5

4.3 Inter-organizational reports 5

5 Cross-SWG issues 5

5.1 Administrative issues at SA5 level 5

5.2 Technical issues at SA5 level 7

5.3 Liaison statements at SA5 level 7

5.4 SA5 meeting calendar 8

6 OAM&P 8

6.1 OAM&P Plenary 8

6.2 New OAM&P Work Item proposals 13

6.3 OAM&P Maintenance and Rel-18 small Enhancements 14

6.4 Intelligence and Automation 46

6.4.1 Self-Configuration of RAN NEs 46

6.4.1.1 RANSC\_WoP#1 46

6.4.1.2 RANSC\_WoP#2 46

6.4.1.3 RANSC\_WoP#3 46

6.5 Management Architecture and Mechanisms 46

6.5.1 Network slicing provisioning rules 46

6.5.1.1 NSRULE\_WoP#1 46

6.5.1.2 NSRULE\_WoP#2 47

6.5.2 Additional NRM features phase 2 47

6.5.2.1 AdNRM\_ph2\_WoP#1 47

6.5.2.2 AdNRM\_ph2\_WoP#2 47

6.5.2.3 AdNRM\_ph2\_WoP#3 52

6.5.3 Enhanced Edge Computing Management 52

6.5.3.1 eECM\_WoP#1 52

6.5.3.2 eECM\_WoP#2 54

6.5.3.3 eECM\_WoP#3 56

6.5.4 Enhancement of QoE Measurement Collection 56

6.5.4.1 eQoE\_WoP#1 56

6.5.4.2 eQoE\_WoP#2 57

6.5.5 Access control for management service 57

6.5.5.1 MSAC\_WoP#1 57

6.5.5.2 MSAC\_WoP#2 57

6.5.5.3 MSAC\_WoP#3 58

6.5.6 5G performance measurements and KPIs phase 3 58

6.5.6.1 PM\_KPI\_5G\_Ph3\_WoP#1 58

6.5.6.2 PM\_KPI\_5G\_Ph3\_WoP#2 58

6.5.6.3 PM\_KPI\_5G\_Ph3\_WoP#3 59

6.6 Support of New Services 60

6.6.1 Enhancements of EE for 5G Phase 2 60

6.6.1.1 EE5GPLUS\_Ph2\_WoP#1 60

6.6.1.2 EE5GPLUS\_Ph2\_WoP#2 61

6.6.2 Network slice provisioning enhancement 61

6.6.2.1 eNETSLICE\_PRO\_WoP#1 61

6.6.2.2 eNETSLICE\_PRO\_WoP#2 62

6.7 Intelligence and Automation 64

6.7.1 Study on enhancement of autonomous network levels 64

6.7.1.1 FS\_eANL\_WoP#1 64

6.7.1.2 FS\_eANL\_WoP#2 65

6.7.1.3 FS\_eANL\_WoP#3 65

6.7.1.4 FS\_eANL\_WoP#4 65

6.7.2 Study on evaluation of autonomous network levels 65

6.7.2.1 FS\_ANLEVA\_WoP#1 65

6.7.2.2 FS\_ANLEVA\_WoP#2 66

6.7.2.3 FS\_ANLEVA\_WoP#3 66

6.7.2.4 FS\_ANLEVA\_WoP#4 66

6.7.3 Study on enhanced intent driven management services for mobile networks 66

6.7.3.1 FS\_eIDMS\_MN\_WoP#1 66

6.7.3.2 FS\_eIDMS\_MN\_WoP#2 66

6.7.3.3 FS\_eIDMS\_MN\_WoP#3 71

6.7.3.4 FS\_eIDMS\_MN\_WoP#4 71

6.7.4 Study on intent-driven management for network slicing 71

6.7.4.1 FS\_NETSLICE\_IDMS\_WoP#1 71

6.7.4.2 FS\_NETSLICE\_IDMS\_WoP#2 72

6.7.4.3 FS\_NETSLICE\_IDMS\_WoP#3 72

6.7.4.4 FS\_NETSLICE\_IDMS\_WoP#4 72

6.7.4.5 FS\_NETSLICE\_IDMS\_WoP#5 72

6.7.5 Study on AI/ ML management 72

6.7.5.1 FS\_AIML\_MGMT\_WoP#1 72

6.7.5.2 FS\_AIML\_MGMT\_WoP#2 74

6.7.5.3 FS\_AIML\_MGMT\_WoP#3 74

6.7.5.4 FS\_AIML\_MGMT\_WoP#4 75

6.7.5.5 FS\_AIML\_MGMT\_WoP#5 75

6.7.5.6 FS\_AIML\_MGMT\_WoP#6 75

6.7.5.7 FS\_AIML\_MGMT\_WoP#7 75

6.7.5.8 FS\_AIML\_MGMT\_WoP#8 76

6.7.5.9 FS\_AIML\_MGMT\_WoP#9 79

6.7.5.10 FS\_AIML\_MGMT\_WoP#10 79

6.7.6 Study on Enhancement of the management aspects related to NWDAF 79

6.7.6.1 FS\_MANWDAF\_WoP#1 79

6.7.6.2 FS\_MANWDAF\_WoP#2 79

6.7.7 Study on Fault Supervision Evolution 81

6.7.7.1 FS\_FSEV\_WoP#1 81

6.7.7.2 FS\_FSEV\_WoP#2 82

6.7.7.3 FS\_FSEV\_WoP#3 83

6.7.8 Study on measurement data collection to support RAN intelligence 83

6.7.8.1 FS\_MEDACO\_RAN\_WoP#1 83

6.7.8.2 FS\_MEDACO\_RAN\_WoP#2 84

6.7.8.3 FS\_MEDACO\_RAN\_WoP#3 84

6.8 Management Architecture and Mechanisms 84

6.8.1 Study on Enhancement of service based management architecture 84

6.8.1.1 FS\_eSBMA\_WoP#1 84

6.8.1.2 FS\_eSBMA\_WoP#2 84

6.8.1.3 FS\_eSBMA\_WoP#3 85

6.8.1.4 FS\_eSBMA\_WoP#4 85

6.8.1.5 FS\_eSBMA\_WoP#5 85

6.8.1.6 FS\_eSBMA\_WoP#6 86

6.8.2 Study on Basic SBMA enabler enhancements 86

6.8.2.1 FS\_eSBMAe\_WoP#1 86

6.8.2.2 FS\_eSBMAe\_WoP#2 86

6.8.2.3 FS\_eSBMAe\_WoP#3 86

6.8.2.4 FS\_eSBMAe\_WoP#4 87

6.8.2.5 FS\_eSBMAe\_WoP#5 88

6.8.2.6 FS\_eSBMAe\_WoP#6 88

6.8.2.7 FS\_eSBMAe\_WoP#7 88

6.8.2.8 FS\_eSBMAe\_WoP#8 88

6.8.2.9 FS\_eSBMAe\_WoP#9 88

6.8.2.10 FS\_eSBMAe\_WoP#10 88

6.8.3 Study on Management Aspects of URLLC 88

6.8.3.1 FS\_URLLC\_Mgt\_WoP#1 88

6.8.3.2 FS\_URLLC\_Mgt\_WoP#2 88

6.8.3.3 FS\_URLLC\_Mgt\_WoP#3 89

6.8.3.4 FS\_URLLC\_Mgt\_WoP#4 89

6.8.4 Study on Management Aspect of 5GLAN 89

6.8.4.1 FS\_5GLAN\_Mgt\_WoP#1 89

6.8.4.2 FS\_5GLAN\_Mgt\_WoP#2 89

6.8.4.3 FS\_5GLAN\_Mgt\_WoP#3 89

6.8.4.4 FS\_5GLAN\_Mgt\_WoP#4 92

6.8.5 Study on Management of Cloud Native Virtualized Network Functions 92

6.8.5.1 FS\_MCVNF\_WoP#1 92

6.8.5.2 FS\_MCVNF\_WoP#2 94

6.8.5.3 FS\_MCVNF\_WoP#3 94

6.8.6 Study on Management Aspects of 5G MOCN Network Sharing Phase2 94

6.8.6.1 FS\_MANS\_ph2\_WoP#1 94

6.8.6.2 FS\_MANS\_ph2\_WoP#2 96

6.8.6.3 FS\_MANS\_ph2\_WoP#3 96

6.8.7 Study on Management of Trace/MDT phase 2 96

6.8.7.1 FS\_5GMDT\_Ph2\_WoP#1 96

6.8.7.2 FS\_5GMDT\_Ph2\_WoP#2 96

6.8.7.3 FS\_5GMDT\_Ph2\_WoP#3 96

6.8.7.4 FS\_5GMDT\_Ph2\_WoP#4 97

6.8.7.5 FS\_5GMDT\_Ph2\_WoP#5 97

6.8.7.6 FS\_5GMDT\_Ph2\_WoP#6 97

6.8.7.7 FS\_5GMDT\_Ph2\_WoP#7 97

6.8.7.8 FS\_5GMDT\_Ph2\_WoP#8 97

6.8.8 Study on Management Aspects of IoT NTN Enhancements 97

6.8.8.1 FS\_IOT\_NTN\_WoP#1 97

6.8.8.2 FS\_IOT\_NTN\_WoP#2 97

6.8.8.3 FS\_IOT\_NTN\_WoP#3 97

6.9 Support of New Services 97

6.9.1 Study on enhancement of management of non-public networks 97

6.9.1.1 FS\_OAM\_eNPN\_WoP#1 97

6.9.1.2 FS\_OAM\_eNPN\_WoP#2 99

6.9.1.3 FS\_OAM\_eNPN\_WoP#3 99

6.9.1.4 FS\_OAM\_eNPN\_WoP#4 99

6.9.2 Study on new aspects of EE for 5G networks Phase 2 99

6.9.2.1 FS\_EE5G\_Ph2\_WoP#1 99

6.9.2.2 FS\_EE5G\_Ph2\_WoP#2 100

6.9.3 Study on Network and Service Operations for Energy Utilities 100

6.9.3.1 FS\_NSOEU\_WoP#1 100

6.9.3.2 FS\_NSOEU\_WoP#2 100

6.9.3.3 FS\_NSOEU\_WoP#3 100

6.9.3.4 FS\_NSOEU\_WoP#4 100

6.9.3.5 FS\_NSOEU\_WoP#5 101

6.9.3.6 FS\_NSOEU\_WoP#6 101

6.9.3.7 FS\_NSOEU\_WoP#7 102

6.9.3.8 FS\_NSOEU\_WoP#8 102

6.9.3.9 FS\_NSOEU\_WoP#9 102

6.9.3.10 FS\_NSOEU\_WoP#10 102

6.9.3.11 FS\_NSOEU\_WoP#11 102

6.9.3.12 FS\_NSOEU\_WoP#12 102

6.9.3.13 FS\_NSOEU\_WoP#13 102

6.9.4 Study on Key Quality Indicators (KQIs)for 5G service experience 102

6.9.4.1 FS\_KQI\_5G\_WoP#1 102

6.9.4.2 FS\_KQI\_5G\_WoP#2 103

6.9.4.3 FS\_KQI\_5G\_WoP#3 103

6.9.4.4 FS\_KQI\_5G\_WoP#4 103

6.9.4.5 FS\_KQI\_5G\_WoP#5 104

6.9.5 Study on Deterministic Communication Service Assurance 104

6.9.5.1 FS\_DCSA\_WoP#1 104

6.9.5.2 FS\_DCSA\_WoP#2 104

6.9.5.3 FS\_DCSA\_WoP#3 105

6.9.5.4 FS\_DCSA\_WoP#4 105

6.9.5.5 FS\_DCSA\_WoP#5 105

6.9.6 Study on management aspects of network slice management capability exposure 105

6.9.6.1 FS\_NSCE\_WoP#1 105

6.9.6.2 FS\_NSCE\_WoP#2 105

6.9.6.3 FS\_NSCE\_WoP#3 105

6.9.6.4 FS\_NSCE\_WoP#4 107

6.9.7 Study on alignment with ETSI MEC for Edge computing management 107

6.9.7.1 FS\_MEC\_ECM\_WoP#1 107

6.9.7.2 FS\_MEC\_ECM\_WoP#2 107

6.10 Latest draft TS/TR email approvals 108

7 Charging 110

7.1 Charging Plenary 110

7.2 New Charging Work Item proposals 111

7.3 Charging Maintenance and Rel-18 small Enhancements 111

7.4 Rel-18 Charging 123

7.4.1 Multimedia Messaging Service Charging using service-based interface 123

7.5 Charging studies 125

7.5.1 Study on charging aspects for enhancements of Network Slicing Phase 2 125

7.5.2 Study on Nchf charging services phase 2 128

7.5.3 Study on 5G roaming charging architecture for wholesale and retail scenarios 130

7.5.4 Study on Charging Aspects for Enhanced support of Non-Public Networks 134

7.5.5 New SID on Time Sensitive Networking charging 137

8 Any Other Business 138

9 Closing of the meeting 138

## 1 Opening of the meeting

## 2 Approval of the agenda

**S5-225000 Agenda**

*Type: agenda For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **approved**.

## 3 IPR and legal declaration

The attention of the delegates to the meeting of this Technical Specification Group was drawn to the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.

The delegates were asked to take note that they were thereby invited:

to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.

to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Information Statement and the Licensing declaration forms.

The attention of the delegates to the meeting was drawn to the fact that 3GPP activities were subject to all applicable antitrust and competition laws and that compliance with said laws was therefore required by any participant of the meeting, including the Chairman and Vice-Chairmen and were invited to seek any clarification needed with their legal counsel. The leadership would conduct the present meeting with impartiality and in the interests of 3GPP.

Delegates were reminded that timely submission of work items in advance of TSG/WG meetings was important to allow for full and fair consideration of such matters.

## 4 Meetings and activities reports

### 4.1 Last SA5 meeting report

**S5-225001 Report from last SA5 meeting**

*Type: report For: (not specified)  
 Source: MCC*

**Decision:** The document was **approved**.

### 4.2 Last SA meeting report

### 4.3 Inter-organizational reports

## 5 Cross-SWG issues

### 5.1 Administrative issues at SA5 level

**S5-225002 e-meeting process**

*Type: discussion For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **revised to S5-225611**.

**S5-225611 e-meeting process**

*Type: discussion For: -  
 Source: WG Chair*

(Replaces S5-225002)

**Decision:** The document was **noted**.

**S5-225003 Post e-meeting email approval status**

*Type: other For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **not treated**.

**S5-225010 SA5 working procedures**

*Type: other For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **approved**.

**S5-225014 Process for management of draft TS-TRs**

*Type: other For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **noted**.

**S5-225073 Input to working procedures on FORGE process**

*Type: other For: Agreement  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225609**.

**S5-225609 Input to working procedures on FORGE process**

*Type: other For: Agreement  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225073)

**Decision:** The document was **approved**.

**S5-225592 Forge Usage Guide for Charging Management**

*Type: discussion For: Endorsement  
 Source: Huawei*

**Decision:** The document was **endorsed**.

**S5-225593 working procedures on FORGE process**

*Type: other For: Agreement  
 Source: Huawei*

**Decision:** The document was **revised to S5-225610**.

**S5-225610 working procedures on FORGE process**

*Type: other For: Agreement  
 Source: Huawei*

(Replaces S5-225593)

**Decision:** The document was **endorsed**.

**S5-225594 Forge to become the main source of code**

*Type: discussion For: discussion  
 Source: Nokia*

**Decision:** The document was **endorsed**.

**S5-225595 Moving all code to Git and Remove it from MsWord**

*Type: discussion For: discussion  
 Source: Ericsson*

**Decision:** The document was **endorsed**.

### 5.2 Technical issues at SA5 level

### 5.3 Liaison statements at SA5 level

**S5-225019 East/West Bound Interface for Telco Edge consideration**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: GSMA OPG Operator Platform API Group (OPAG)*

**Decision:** The document was **postponed**.

**S5-225031 Resubmitted LS on Publication of GS ZSM009-2 and information about related ETSI ISG ZSM work**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ETSI ISG ZSM*

**Decision:** The document was **postponed**.

**S5-225206 Reply LS on LS/r on methodology harmonization update**

*Type: LS out For: Approval  
 to ITU-T STUDY GROUP 2  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-225615**.

**S5-225615 Reply LS on LS/r on methodology harmonization update**

*Type: LS out For: Approval  
 to ITU-T STUDY GROUP 2  
 Source: Ericsson Hungary Ltd*

(Replaces S5-225206)

**Decision:** The document was **approved**.

**S5-225598 LS on UE to application server latency**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: GSMA OPG*

**Decision:** The document was **postponed**.

### 5.4 SA5 meeting calendar

**S5-225015 SA5 meeting calendar**

*Type: other For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **revised to S5-225612**.

**S5-225612 SA5 meeting calendar**

*Type: other For: -  
 Source: WG Chair*

(Replaces S5-225015)

**Decision:** The document was **noted**.

## 6 OAM&P

### 6.1 OAM&P Plenary

**S5-225004 OAM&P action list**

*Type: other For: (not specified)  
 Source: WG Vice Chair (Huawei)*

**Decision:** The document was **noted**.

**S5-225005 agenda\_with\_Tdocs\_sequence\_proposal\_OAM**

*Type: agenda For: (not specified)  
 Source: WG Vice Chair (Huawei)*

**Decision:** The document was **noted**.

**S5-225006 OAM Exec Report**

*Type: report For: (not specified)  
 Source: WG Vice Chair (Huawei)*

**Decision:** The document was **not treated**.

**S5-225007 OAM Chair notes and conclusions**

*Type: report For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **not treated**.

**S5-225011 Collection of useful endorsed document and external communication documents**

*Type: discussion For: (not specified)  
 Source: WG Vice Chair (Huawei)*

**Decision:** The document was **noted**.

**S5-225012 Collection of Rel-18 3GPP SA5 OAM WoP**

*Type: discussion For: (not specified)  
 Source: WG Vice Chair (Huawei)*

**Decision:** The document was **noted**.

**S5-225013 Living document for stage 2-3 alignment**

*Type: other For: (not specified)  
 Source: WG Chair*

**Decision:** The document was **approved**.

**S5-225017 Resubmitted Liaison Response to 3GPP TSG-SA5 for Network**

**Slice Ordering, Provisioning & Assurance**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: MEF Forum*

**Decision:** The document was **replied to in S5-225604**.

**S5-225604 Reply to: Resubmitted Liaison Response to 3GPP TSG-SA5 for Network**

**Slice Ordering, Provisioning & Assurance**

*Type: LS out For: approval  
 to MEF Forum  
 Source: current meeting*

**Decision:** The document was **approved**.

**S5-225018 LS on information about BBF’s release of technical report on network slicing management**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: BBF*

**Decision:** The document was **noted**.

**S5-225020 Resubmitted LS on RAN3 agreements for NR QoE**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-222890*

**Decision:** The document was **postponed**.

**S5-225021 Reply LS on User Consent Updating**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-224076*

**Decision:** The document was **replied to in S5-225321**.

**S5-225022 Resubmitted LS on M6 Delay Threshold**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-224079*

**Decision:** The document was **postponed**.

**S5-225023 Resubmitted Reply LS on Report Amount for M4, M5, M6 and M7 measurements**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-224084*

**Decision:** The document was **replied to in S5-225614**.

**S5-225024 Resubmitted LS on O-RAN – UML models and tools to be used by 3GPP SA5**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: O-RAN*

**Decision:** The document was **replied to in S5-225602**.

**S5-225602 Reply to: LS on O-RAN – UML models and tools to be used by 3GPP SA5**

*Type: LS out For: approval  
 to O-RAN, cc SA, RAN  
 Source: Samsung*

**Decision:** The document was **approved**.

**S5-225025 Resubmitted LS on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: O-RAN*

**Decision:** The document was **postponed**.

**S5-225026 LS on initiation new work item M.fidtom: ""Framework of intent driven telecom operation and management""**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T Study Group 2*

**Decision:** The document was **replied to in S5-225599**.

**S5-225599 Reply to: LS on initiation new work item M.fidtom: ""Framework of intent driven telecom operation and management""**

*Type: LS out For: approval  
 to ITU-T Study Group 2  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225027 LS on progress about intelligence levels evaluation of AITOM in Q6/2**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T Study Group 2*

**Decision:** The document was **noted**.

**S5-225028 LS on initiation of new Recommendation ITU-T M.rsmca, ""Requirements for smart maintenance of cell antenna""**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T Study Group 2*

**Decision:** The document was **noted**.

**S5-225029 LS/r on feedback on the working on the energy efficiency of 5G networks (reply to 3GPP TSG SA5-S5-221502)**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T Study Group 2*

**Decision:** The document was **noted**.

**S5-225030 Resubmitted LS/r on methodology harmonization update (reply to 3GPP TSG SA5-S5-222570)**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T Study Group 2*

**Decision:** The document was **replied to in S5-225615**.

**S5-225032 LS on the approval of a new ITU-T Supplement on use cases for autonomous networks**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T SG13*

**Decision:** The document was **noted**.

**S5-225055 LS/r on energy saving management of 5G RAN with AI (reply to 3GPP TSG SA5-S5-221502 )**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T SG5*

**Decision:** The document was **noted**.

**S5-225074 LS/r on 5G Network Energy Efficiency and Energy Saving (reply to 3GPP TSG SA5-S5-221680)**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T SG5*

**Decision:** The document was **noted**.

**S5-225114 LS on Report Amount for M4, M5, M6 and M7 measurements**

*Type: LS out For: Approval  
 to 3GPP RAN3  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-225172 Reply LS on M6 Delay Threshold**

*Type: LS out For: Approval  
 to RAN3, cc RAN2  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225187 Reply LS on Report Amount for M4, M5, M6 and M7 measurements**

*Type: LS out For: Approval  
 to RAN3  
 Source: Huawei*

**Decision:** The document was **revised to S5-225614**.

**S5-225614 Reply LS on Report Amount for M4, M5, M6 and M7 measurements**

*Type: LS out For: Approval  
 to RAN3  
 Source: Huawei*

(Replaces S5-225187)

**Decision:** The document was **approved**.

**S5-225312 LS reply to TMF, MEF and GSMA on overall architecture for network slice ordering, provisioning and assurance**

*Type: LS out For: Agreement  
 to TMF, MEF, GSMA, cc 3GPP SA  
 Source: Huawei Technologies France*

**Decision:** The document was **withdrawn**.

**S5-225321 Reply LS on User Consent Updating**

*Type: LS out For: Approval  
 to 3GPP RAN3, cc 3GPP CT4, 3GPP SA3  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This is a response to Reply LS R3-224076/S5-225021 on User Consent Updating from RAN3

**Decision:** The document was **approved**.

**S5-225596 LS/r on Use cases for Autonomous Networks (reply to 3GPP TSG SA5--222560-LS34)**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T SG13*

**Decision:** The document was **noted**.

**S5-225597 LS on 3GPP SA5 work on intent-driven management S5-224343**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: TM Forum*

**Decision:** The document was **noted**.

**S5-225603 LS on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541**

*Type: LS out For: Approval  
 to O-RAN  
 Source: Samsung*

**Decision:** The document was **noted**.

**S5-225664 Latest draft TR 28.831**

*Type: draft TR For: Approval  
 28.831 v0.4.0  
 Source: Nokia*

**Decision:** The document was **approved**.

### 6.2 New OAM&P Work Item proposals

**S5-225194 Revised WID for Additional NRM features phase 2**

*Type: WID revised For: Approval  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225374 New SID on Enhancement Management from OAM to NWDAF for Computing Awareness**

*Type: SID new For: Approval  
 Source: China Telecommunications*

**Decision:** The document was **noted**.

**S5-225376 Study on Data Management**

*Type: SID new For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225617**.

**S5-225617 Study on Data Management**

*Type: SID new For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225376)

**Decision:** The document was **agreed**.

**S5-225465 New WID on overview and usage guide of Service Based Management (SBM) specifications**

*Type: WID new For: (not specified)  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **noted**.

**S5-225505 New WID on methodology for deprecation.**

*Type: WID new For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **revised to S5-225616**.

**S5-225616 New WID on methodology for deprecation.**

*Type: WID new For: -  
 Source: Ericsson*

(Replaces S5-225505)

**Decision:** The document was **agreed**.

### 6.3 OAM&P Maintenance and Rel-18 small Enhancements

**S5-225067 TS28.541 Rel-17 fix incorrect Line Folding in TS28541\_SliceNrm.yaml**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-0738 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-225068 TS 28.541Rel-18 fix incorrect Line Folding in TS28541\_SliceNrm.yaml**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0739 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-225069 TS28.541 Rel-17 FiveQICharacteristics inheritance issue and reference issue in stage 3**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-0740 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225828**.

**S5-225828 TS28.541 Rel-17 FiveQICharacteristics inheritance issue and reference issue in stage 3**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-0740 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225069)

**Decision:** The document was **agreed**.

**S5-225070 TS28.541 Rel-18 FiveQICharacteristics inheritance issue and reference issue in stage 3**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0741 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225827**.

**S5-225827 TS28.541 Rel-18 FiveQICharacteristics inheritance issue and reference issue in stage 3**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0741 rev 1 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225070)

**Decision:** The document was **agreed**.

**S5-225071 TS 28.541 Rel-17 fix inconsistency in AMFFunction stage 2 and stage 3**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-0742 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225826**.

**S5-225826 TS 28.541 Rel-17 fix inconsistency in AMFFunction stage 2 and stage 3**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-0742 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225071)

**Decision:** The document was **agreed**.

**S5-225072 TS28.541 Rel-18 fix inconsistency in AMFFunction stage 2 and stage 3**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0743 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225825**.

**S5-225825 TS28.541 Rel-18 fix inconsistency in AMFFunction stage 2 and stage 3**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0743 rev 1 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225072)

**Decision:** The document was **agreed**.

**S5-225076 TS 28.541 Rel17 Correction to DESManagementFunction and CESManagementFunction**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-0744 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225077 TS 28.541 Rel18 Correction to DESManagementFunction and CESManagementFunction**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0745 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225080 Rel16\_CR\_32422\_Correcting the name of referenced RAN3 RRC IE**

*Type: CR For: Approval  
 32.423 v16.6.0 CR-0131 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

**S5-225081 Rel17\_CR\_32422\_Correcting the name of referenced RAN3 RRC IE**

*Type: CR For: Approval  
 32.423 v17.4.0 CR-0132 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

**S5-225092 Rel-17 CR TS28.541 Correction to serviceType attribute**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-0747 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225822**.

**S5-225822 Rel-17 CR TS28.541 Correction to serviceType attribute**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-0747 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225092)

**Decision:** The document was **agreed**.

**S5-225093 Rel-18 CR TS28.541 Correction to serviceType attribute**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0748 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225821**.

**S5-225821 Rel-18 CR TS28.541 Correction to serviceType attribute**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0748 rev 1 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225093)

**Decision:** The document was **agreed**.

**S5-225094 Rel-17 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-0749 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI*

**Decision:** The document was **not pursued**.

**S5-225095 Rel-18 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0750 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI*

**Decision:** The document was **not pursued**.

**S5-225097 Rel17\_CR\_28104\_Rectifying attribute properties for coverage problem analysis**

*Type: CR For: Approval  
 28.104 v17.0.1 CR-0001 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225823**.

**S5-225823 Rel17\_CR\_28104\_Rectifying attribute properties for coverage problem analysis**

*Type: CR For: Approval  
 28.104 v17.0.1 CR-0001 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225097)

**Decision:** The document was **agreed**.

**S5-225098 Rel17\_CR\_28104\_Rectifying attribute properties for EsRecommendation DataType**

*Type: CR For: Approval  
 28.104 v17.0.1 CR-0002 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-225099 Rel17\_CR\_28104\_Rectifying attribute properties for HOTargetType Datatype**

*Type: CR For: Approval  
 28.104 v17.0.1 CR-0003 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-225100 Rel17\_CR\_28104\_Rectifying attribute properties for Maintanance management Analysis**

*Type: CR For: Approval  
 28.104 v17.0.1 CR-0004 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-225101 Rel17\_CR\_28104\_Rectifying attribute properties for MDA assisted Failure Prediction**

*Type: CR For: Approval  
 28.104 v17.0.1 CR-0005 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-225102 Rel17\_CR\_28104\_Rectifying attribute properties for Mobility Performance Analysis**

*Type: CR For: Approval  
 28.104 v17.0.1 CR-0006 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-225103 Rel17\_CR\_28104\_Rectifying attribute properties for Network Slice Load Analysis**

*Type: CR For: Approval  
 28.104 v17.0.1 CR-0007 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-225104 Rel17\_CR\_28104\_Rectifying attribute properties for Network Slice Traffic Prediction**

*Type: CR For: Approval  
 28.104 v17.0.1 CR-0008 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-225105 Rel17\_CR\_28104\_Rectifying attribute properties for Paging Analytics**

*Type: CR For: Approval  
 28.104 v17.0.1 CR-0009 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-225106 Rel17\_CR\_28104\_Rectifying attribute properties for Traffic Load Trend Datatype**

*Type: CR For: Approval  
 28.104 v17.0.1 CR-0010 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-225107 Rel-16 CR 32.423 GPB schema fix for trace streaming**

*Type: CR For: Approval  
 32.423 v16.6.0 CR-0133 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225108 Rel-17 CR 32.423 GPB schema fix for trace streaming**

*Type: CR For: Approval  
 32.423 v17.4.0 CR-0134 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225109 Rel-17 CR 32.422 Correcting Support Qualifier for jobId attribute**

*Type: CR For: Approval  
 32.422 v17.7.1 CR-0395 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

**S5-225601 Rel-17 CR 28.622 Correcting Support Qualifier for jobId attribute**

*Type: CR For: Approval  
 28.622 v17.2.0 CR-0176 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225111 Rel17\_CR\_28622\_Report Amount for M4, M5, M6 and M7 measurements in LTE**

*Type: CR For: Approval  
 28.622 v17.2.0 CR-0167 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-225820 Rel17\_CR\_28622\_Report Amount for M4, M5, M6 and M7 measurements in LTE**

*Type: draftCR For: Approval  
 28.622 v17.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **approved**.

**S5-225112 Rel17\_CR\_28623\_Report Amount for M4, M5, M6 and M7 measurements in LTE**

*Type: CR For: Approval  
 28.623 v17.2.2 CR-0177 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **merged**.

**S5-225113 Rel17\_CR\_32422\_Report Amount for M4, M5, M6 and M7 measurements in LTE**

*Type: CR For: Approval  
 32.422 v17.7.1 CR-0396 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-225819 Rel17\_CR\_32422\_Report Amount for M4, M5, M6 and M7 measurements in LTE**

*Type: draftCR For: Approval  
 32.422 v17.7.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **approved**.

**S5-225117 Rel16\_CR\_32422\_Correcting the name of referenced RAN3 RRC IE**

*Type: CR For: Approval  
 32.422 v16.10.0 CR-0397 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225118 Rel17\_CR\_32422\_Correcting the name of referenced RAN3 RRC IE**

*Type: CR For: Approval  
 32.422 v17.7.1 CR-0398 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225130 Rel-17 CR 28.532 Updating Hysteresis from M to O in notifyThresholdCrossing**

*Type: CR For: Agreement  
 28.532 v17.1.1 CR-0218 Cat: A (Rel-18)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **agreed**.

**S5-225131 Rel-17 CR 28.532 Updating Hysteresis from M to O in notifyThresholdCrossing**

*Type: CR For: Agreement  
 28.532 v17.1.1 CR-0219 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **agreed**.

**S5-225132 Rel-17 CR 28.531 Deleting capacity planning use case**

*Type: CR For: Agreement  
 28.531 v17.4.0 CR-0122 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-225829**.

**S5-225829 Rel-17 CR 28.531 Deleting capacity planning use case**

*Type: CR For: Agreement  
 28.531 v17.4.0 CR-0122 rev 1 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute UK*

(Replaces S5-225132)

**Decision:** The document was **agreed**.

**S5-225133 Rel-18 CR 28.531 Deleting capacity planning use case**

*Type: CR For: Agreement  
 28.531 v17.4.0 CR-0123 Cat: A (Rel-18)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **not pursued**.

**S5-225138 Rel-17 CR TS 28.312 Add missing guidelines for using scenario specific intent expectation for intent driven use cases**

*Type: CR For: Agreement  
 28.312 v17.0.1 CR-0001 Cat: F (Rel-17)  
  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **agreed**.

**S5-225139 Rel-17 CR TS 28.312 Correct the misalignment information in Annex C**

*Type: CR For: Agreement  
 28.312 v17.0.1 CR-0002 Cat: F (Rel-17)  
  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **agreed**.

**S5-225140 Rel-17 CR TS 28.312 Update intentNRM yaml file to distinguish the generic intent model and sceanrio specific intent model**

*Type: CR For: Agreement  
 28.312 v17.0.1 CR-0003 Cat: F (Rel-17)  
  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **agreed**.

**S5-225141 Rel-17 CR TS 28.541 Update stage2 and stage3 definition for FeasibilityCheckAndReservationJob**

*Type: CR For: Agreement  
 28.541 v17.7.0 CR-0757 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-225857**.

**S5-225857 Rel-17 CR TS 28.541 Update stage2 and stage3 definition for FeasibilityCheckAndReservationJob**

*Type: CR For: Agreement  
 28.541 v17.7.0 CR-0757 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-225141)

**Decision:** The document was **agreed**.

**S5-225142 Rel-18 CR TS 28.541 Update stage2 and stage3 definition for FeasibilityCheckAndReservationJob**

*Type: CR For: Agreement  
 28.541 v18.0.0 CR-0758 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-225797**.

**S5-225797 Rel-18 CR TS 28.541 Update stage2 and stage3 definition for FeasibilityCheckAndReservationJob**

*Type: CR For: Agreement  
 28.541 v18.0.0 CR-0758 rev 1 Cat: A (Rel-18)  
  
 Source: Huawei*

(Replaces S5-225142)

**Decision:** The document was **agreed**.

**S5-225143 Rel-17 CR TS 28.531 Update feasibility check procedure to align with FeasibilityCheckAndReservationJob**

*Type: CR For: Agreement  
 28.531 v17.4.0 CR-0125 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-225796**.

**S5-225796 Rel-17 CR TS 28.531 Update feasibility check procedure to align with FeasibilityCheckAndReservationJob**

*Type: CR For: Agreement  
 28.531 v17.4.0 CR-0125 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-225143)

**Decision:** The document was **agreed**.

**S5-225144 Rel-17 CR TS 28.105 Add references for missing management and orchestration features which can may the AIML capabilities**

*Type: CR For: Agreement  
 28.105 v17.0.0 CR-0001 Cat: F (Rel-17)  
  
 Source: Huawei,Nokia, Deutsche Telekom,China Telecom*

**Decision:** The document was **not pursued**.

**S5-225145 Rel-16 CR TS 28.532 Update provMnS yaml to include closaNRM yaml**

*Type: CR For: Agreement  
 28.532 v16.11.1 CR-0220 Cat: F (Rel-16)  
  
 Source: Huawei,Ericsson*

**Decision:** The document was **agreed**.

**S5-225146 Rel-17 CR TS 28.532 Update provMnS yaml to include closaNRM yaml**

*Type: CR For: Agreement  
 28.532 v17.1.1 CR-0221 Cat: A (Rel-17)  
  
 Source: Huawei,Ericsson*

**Decision:** The document was **agreed**.

**S5-225147 Rel-17 CR TS 28.104 OpenAPI file name and dependence change**

*Type: CR For: Agreement  
 28.104 v17.0.1 CR-0011 Cat: F (Rel-17)  
  
 Source: Huawei,Intel*

**Decision:** The document was **merged**.

**S5-225148 Rel-17 CR TS 28.105 OpenAPI file name and dependence change**

*Type: CR For: Agreement  
 28.105 v17.0.0 CR-0002 Cat: F (Rel-17)  
  
 Source: Huawei,Intel*

**Decision:** The document was **merged**.

**S5-225149 Rel-17 CR TS 28.532 Update provMnS yaml to include MDA NRM related resources**

*Type: CR For: Agreement  
 28.532 v17.1.1 CR-0222 Cat: F (Rel-17)  
  
 Source: Huawei,Intel*

**Decision:** The document was **agreed**.

**S5-225150 Rel-17 CR TS 28.541 Add missing notifyMOIChanges in configuration notification table**

*Type: CR For: Agreement  
 28.541 v17.7.0 CR-0759 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225151 Rel-18 CR TS 28.541 Add missing notifyMOIChanges in configuration notification table**

*Type: CR For: Agreement  
 28.541 v18.0.0 CR-0760 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225153 Correct notifyMOIChanges handling for YANG leaf-lists**

*Type: CR For: Approval  
 28.532 v17.1.1 CR-0223 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **agreed**.

**S5-225165 Rel-17 CR 28.541 Correction on two SLA attributes**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-0761 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225166 Rel-18 CR 28.541 Correction on two SLA attributes**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0762 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225167 Rel-17 CR TS 32.422 Report Amount for M4, M5, M6 and M7 measurements in LTE**

*Type: CR For: Agreement  
 32.422 v17.7.1 CR-0399 Cat: F (Rel-17)  
  
 Source: China Telecomunication Corp., Huawei*

**Decision:** The document was **merged**.

**S5-225168 Rel-17 CR TS 28.622 Report Amount for M4, M5, M6 and M7 measurements in LTE**

*Type: CR For: Agreement  
 28.622 v17.2.0 CR-0168 Cat: F (Rel-17)  
  
 Source: China Telecomunication Corp., Huawei*

**Decision:** The document was **merged**.

**S5-225169 Rel-17 CR TS 32.422 add excess packet delay threshould for signalling-based and management-based MDT**

*Type: CR For: Approval  
 32.422 v17.7.1 CR-0400 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-225170 Rel-17 CR TS 28.622 add excess packet delay threshould for signalling-based and management-based MDT**

*Type: CR For: Approval  
 28.622 v17.2.0 CR-0169 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-225171 Rel-17 CR TS 28.623 add excess packet delay threshould for signalling-based and management-based MDT**

*Type: CR For: Approval  
 28.623 v17.2.2 CR-0178 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-225173 Rel-18 CR 28.104 Note in Generic flow on MDAS Consumer same with Notification consumer**

*Type: CR For: Agreement  
 28.104 v17.0.1 CR-0012 Cat: F (Rel-18)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **merged**.

**S5-225204 Asynchronous operations**

*Type: CR For: Approval  
 28.532 v17.1.1 CR-0224 Cat: C (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **not pursued**.

**S5-225205 DP AI/ML management terminologies and definitions**

*Type: discussion For: Endorsement  
 28.105 v..  
 Source: NEC, Intel, Nokia*

**Decision:** The document was **endorsed**.

**S5-225207 Rel-17 CR TS 28.105 Corrections to the terms and definition description and corresponding updates**

*Type: CR For: Agreement  
 28.105 v17.0.0 CR-0003 Cat: F (Rel-17)  
  
 Source: NEC, Intel, Nokia*

**Decision:** The document was **agreed**.

**S5-225209 YANG Mapping Rule Corrections**

*Type: CR For: Approval  
 32.160 v17.4.0 CR-0028 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **agreed**.

**S5-225210 YANG Corrections**

*Type: CR For: Approval  
 28.623 v16.11.2 CR-0179 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **agreed**.

**S5-225212 YANG Corrections**

*Type: CR For: Approval  
 28.623 v17.2.2 CR-0180 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **agreed**.

**S5-225219 Rel-16 CR TS 28.554 Correct wrong measurement names in KPI definition**

*Type: CR For: Agreement  
 28.554 v16.10.0 CR-0096 Cat: F (Rel-16)  
  
 Source: Huawei Technologies France*

**Decision:** The document was **agreed**.

**S5-225220 Rel-17 CR TS 28.554 Correct wrong measurement names in KPI definition**

*Type: CR For: Agreement  
 28.554 v17.7.0 CR-0097 Cat: A (Rel-17)  
  
 Source: Huawei Technologies France*

**Decision:** The document was **agreed**.

**S5-225221 Rel-17 CR TS 28.554 Correct 5G energy consumption definitions**

*Type: CR For: Agreement  
 28.554 v17.7.0 CR-0098 Cat: F (Rel-17)  
  
 Source: Huawei Technologies France*

**Decision:** The document was **revised to S5-225793**.

**S5-225793 Rel-17 CR TS 28.554 Correct 5G energy consumption definitions**

*Type: CR For: Agreement  
 28.554 v17.7.0 CR-0098 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei Technologies France*

(Replaces S5-225221)

**Decision:** The document was **agreed**.

**S5-225222 Rel-17 CR TS 28.310 Solutions to calculate the energy consumption of PNF/VNF/VNFCs**

*Type: CR For: Agreement  
 28.310 v17.3.0 CR-0021 Cat: F (Rel-17)  
  
 Source: Huawei Technologies France*

**Decision:** The document was **revised to S5-225792**.

**S5-225792 Rel-17 CR TS 28.310 Solutions to calculate the energy consumption of PNF/VNF/VNFCs**

*Type: CR For: Agreement  
 28.310 v17.3.0 CR-0021 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei Technologies France*

(Replaces S5-225222)

**Decision:** The document was **agreed**.

**S5-225223 Rel-16 CR 28.623 adding missing interface for SMF**

*Type: CR For: Agreement  
 28.623 v16.11.2 CR-0181 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-225791**.

**S5-225791 Rel-16 CR 28.623 adding missing interface for SMF**

*Type: CR For: Agreement  
 28.623 v16.11.2 CR-0181 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-225223)

**Decision:** The document was **agreed**.

**S5-225224 Rel-17 CR 28.623 adding missing interface for SMF**

*Type: CR For: Agreement  
 28.623 v17.2.2 CR-0182 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-225790**.

**S5-225790 Rel-17 CR 28.623 adding missing interface for SMF**

*Type: CR For: Agreement  
 28.623 v17.2.2 CR-0182 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-225224)

**Decision:** The document was **agreed**.

**S5-225225 Rel-17 CR 28.541 update EASDF IOC**

*Type: CR For: Agreement  
 28.541 v17.7.0 CR-0766 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-225789**.

**S5-225789 Rel-17 CR 28.541 update EASDF IOC**

*Type: CR For: Agreement  
 28.541 v17.7.0 CR-0766 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-225225)

**Decision:** The document was **agreed**.

**S5-225226 Rel-18 CR 28.541 update EASDF IOC**

*Type: CR For: Agreement  
 28.541 v18.0.0 CR-0767 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-225788**.

**S5-225788 Rel-18 CR 28.541 update EASDF IOC**

*Type: CR For: Agreement  
 28.541 v18.0.0 CR-0767 rev 1 Cat: A (Rel-18)  
  
 Source: Huawei*

(Replaces S5-225226)

**Decision:** The document was **agreed**.

**S5-225227 Rel-17 CR 28.100 correct potential solution for fault management**

*Type: CR For: Agreement  
 28.100 v17.0.0 CR-0001 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225228 Rel-17 CR 28.104 Corrections to MDAOutputIEFilter**

*Type: CR For: Agreement  
 28.104 v17.0.1 CR-0013 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225229 Rel-17 CR 28.541 Correction to coverageAreaTAList**

*Type: CR For: Agreement  
 28.541 v17.7.0 CR-0768 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-225787**.

**S5-225600 Rel-17 CR 28.541 Correction to coverageAreaTAList**

*Type: CR For: Agreement  
 28.541 v18.0.0 CR-0784 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225787 Rel-17 CR 28.541 Correction to coverageAreaTAList**

*Type: CR For: Agreement  
 28.541 v17.7.0 CR-0768 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-225229)

**Decision:** The document was **agreed**.

**S5-225230 Rel-17 CR 28.538 correct EES deployment procedure**

*Type: CR For: Agreement  
 28.538 v17.1.0 CR-0017 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-225307 YANG Corrections**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-0769 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **agreed**.

**S5-225315 YANG Corrections**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0770 Cat: A (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **agreed**.

**S5-225322 Rel-17 CR 32.422 Clarification of inclusion of Management based MDT PLMN (Modification) List IE in NG messages**

*Type: CR For: Approval  
 32.422 v17.7.1 CR-0401 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225323 Rel-16 CR 28.313 Correction of intra-RAT and inter-RAT too early and too late handover failures description**

*Type: CR For: Approval  
 28.313 v16.2.0 CR-0049 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225786**.

**S5-225786 Rel-16 CR 28.313 Correction of intra-RAT and inter-RAT too early and too late handover failures description**

*Type: CR For: Approval  
 28.313 v16.2.0 CR-0049 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225323)

**Decision:** The document was **agreed**.

**S5-225324 Rel-17 CR 28.313 Correction of intra-RAT and inter-RAT too early and too late handover failures description**

*Type: CR For: Approval  
 28.313 v17.5.0 CR-0050 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225785**.

**S5-225785 Rel-17 CR 28.313 Correction of intra-RAT and inter-RAT too early and too late handover failures description**

*Type: CR For: Approval  
 28.313 v17.5.0 CR-0050 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225324)

**Decision:** The document was **agreed**.

**S5-225325 Rel-16 CR 28.552 Clarification of inter-system too early and too late handover failures and unnecessary handovers for inter-system mobility**

*Type: CR For: Approval  
 28.552 v16.14.1 CR-0377 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225784**.

**S5-225784 Rel-16 CR 28.552 Clarification of inter-system too early and too late handover failures and unnecessary handovers for inter-system mobility**

*Type: CR For: Approval  
 28.552 v16.14.1 CR-0377 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225325)

**Decision:** The document was **agreed**.

**S5-225326 Rel-17 CR 28.552 Clarification of inter-system too early and too late handover failures and unnecessary handovers for inter-system mobility**

*Type: CR For: Approval  
 28.552 v17.7.1 CR-0378 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225643**.

**S5-225643 Rel-17 CR 28.552 Clarification of inter-system too early and too late handover failures and unnecessary handovers for inter-system mobility**

*Type: CR For: Approval  
 28.552 v17.7.1 CR-0378 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225326)

**Decision:** The document was **agreed**.

**S5-225333 Rel-17 CR 28.404 Align Requirements of handling QMC during RAN overload to RAN specifications**

*Type: CR For: Approval  
 28.404 v17.2.0 CR-0008 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225334 Rel-17 CR 28.405 Align Requirements of handling QMC during RAN overload to RAN specifications**

*Type: CR For: Approval  
 28.405 v17.2.0 CR-0012 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225335 Rel-17 CR 28.622 Include already approved changes or enhancements of attribute properties for IOC ManagementDataCollection**

*Type: CR For: Approval  
 28.622 v17.2.0 CR-0170 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225642**.

**S5-225642 Rel-17 CR 28.622 Include already approved changes or enhancements of attribute properties for IOC ManagementDataCollection**

*Type: CR For: Approval  
 28.622 v17.2.0 CR-0170 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225335)

**Decision:** The document was **agreed**.

**S5-225336 Rel-16 CR 28.622 Correction of attribute names of IOC TraceJob**

*Type: CR For: Approval  
 28.622 v16.12.1 CR-0171 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225337 Rel-17 CR 28.622 Correction of attribute names of IOC TraceJob in the attribute property table**

*Type: CR For: Approval  
 28.622 v17.2.0 CR-0172 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

**Decision:** The document was **agreed**.

**S5-225350 Correction on NG-RAN activation mechanism**

*Type: CR For: Agreement  
 32.422 v17.7.1 CR-0402 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-225608**.

**S5-225608 Correction on NG-RAN activation mechanism**

*Type: CR For: Agreement  
 32.422 v17.7.1 CR-0402 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson*

(Replaces S5-225350)

**Decision:** The document was **agreed**.

**S5-225351 Correction on NG-RAN activation mechanism**

*Type: CR For: Approval  
 32.422 v16.10.0 CR-0403 Cat: F (Rel-16)  
  
 Source: Ericsson Limited*

**Decision:** The document was **revised to S5-225607**.

**S5-225607 Correction on NG-RAN activation mechanism**

*Type: CR For: Approval  
 32.422 v16.10.0 CR-0403 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Limited*

(Replaces S5-225351)

**Decision:** The document was **agreed**.

**S5-225352 Rel-17 CR TS 28.623 Report Amount for M4, M5, M6 and M7 measurements in LTE**

*Type: CR For: (not specified)  
 28.623 v17.2.2 CR-0184 Cat: F (Rel-17)  
  
 Source: China Telecomunication Corp., Huawei*

**Decision:** The document was **not pursued**.

**S5-225798 Rel-17 CR TS 28.623 Report Amount for M4, M5, M6 and M7 measurements in LTE**

*Type: draftCR For: -  
 28.623 v17.2.2  
 Source: China Telecomunication Corp., Huawei*

**Decision:** The document was **approved**.

**S5-225357 TS28.541 Rel-17 Add missing attributes n6Protection and nssaaSupport defined in CNSliceSubnetProfile to TopSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-0771 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI*

**Decision:** The document was **agreed**.

**S5-225358 TS28.541 Rel-18 Add missing attributes n6Protection and nssaaSupport defined in CNSliceSubnetProfile to TopSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0772 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI*

**Decision:** The document was **agreed**.

**S5-225359 fix incorrect yaml file name in TS28.105**

*Type: CR For: Approval  
 28.105 v17.0.0 CR-0004 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225795**.

**S5-225795 fix incorrect yaml file name in TS28.105**

*Type: CR For: Approval  
 28.105 v17.0.0 CR-0004 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225359)

**Decision:** The document was **agreed**.

**S5-225360 fix incorrect yaml file name in TS28.104**

*Type: CR For: Approval  
 28.104 v17.0.1 CR-0014 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225794**.

**S5-225794 fix incorrect yaml file name in TS28.104**

*Type: CR For: Approval  
 28.104 v17.0.1 CR-0014 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225360)

**Decision:** The document was **agreed**.

**S5-225361 TS 28.541 Rel-17 fix TaiList issues in stage 3 in TS28541\_5gcNrm.yaml**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-0773 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225362 TS 28.541 Rel-18 fix TaiList issues in stage 3 in TS28541\_5gcNrm.yaml**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0774 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225363 Rel-17 TS28.541 Fix vague issues in EP\_Transport with Federated network modelling**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-0775 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS*

**Decision:** The document was **not pursued**.

**S5-225364 Rel-18 TS28.541 Fix vague issues in EP\_Transport with Federated network modelling**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0776 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS*

**Decision:** The document was **not pursued**.

**S5-225369 Rel-17 CR 28.312 Correct procedures for intent management**

*Type: CR For: Agreement  
 28.312 v17.0.1 CR-0004 Cat: F (Rel-17)  
  
 Source: China Mobile International Ltd*

**Decision:** The document was **agreed**.

**S5-225377 Rel-16 CR 32.158 Align examples for DNs and URIs in clause 4.2 with object class naming conventions**

*Type: CR For: Approval  
 32.158 v16.6.0 CR-0052 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225641**.

**S5-225641 Rel-16 CR 32.158 Align examples for DNs and URIs in clause 4.2 with object class naming conventions**

*Type: CR For: Approval  
 32.158 v16.6.0 CR-0052 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225377)

**Decision:** The document was **agreed**.

**S5-225378 Rel-17 CR 32.158 Align examples for DNs and URIs in clause 4.2 with object class naming conventions**

*Type: CR For: Approval  
 32.158 v17.1.0 CR-0053 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225640**.

**S5-225640 Rel-17 CR 32.158 Align examples for DNs and URIs in clause 4.2 with object class naming conventions**

*Type: CR For: Approval  
 32.158 v17.1.0 CR-0053 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225378)

**Decision:** The document was **agreed**.

**S5-225379 Rel-16 CR 32.158 Clarify concept of MnS root**

*Type: CR For: Approval  
 32.158 v16.6.0 CR-0054 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225639**.

**S5-225639 Rel-16 CR 32.158 Clarify concept of MnS root**

*Type: CR For: Approval  
 32.158 v16.6.0 CR-0054 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225379)

**Decision:** The document was **agreed**.

**S5-225380 Rel-17 CR 32.158 Clarify concept of MnS root**

*Type: CR For: Approval  
 32.158 v17.1.0 CR-0055 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225638**.

**S5-225638 Rel-17 CR 32.158 Clarify concept of MnS root**

*Type: CR For: Approval  
 32.158 v17.1.0 CR-0055 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225380)

**Decision:** The document was **agreed**.

**S5-225381 Rel-16 CR 32.158 Clarify only leaf resources can be created**

*Type: CR For: Approval  
 32.158 v16.6.0 CR-0056 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225637**.

**S5-225637 Rel-16 CR 32.158 Clarify only leaf resources can be created**

*Type: CR For: Approval  
 32.158 v16.6.0 CR-0056 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225381)

**Decision:** The document was **agreed**.

**S5-225382 Rel-17 CR 32.158 Clarify only leaf resources can be created**

*Type: CR For: Approval  
 32.158 v17.1.0 CR-0057 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225636**.

**S5-225636 Rel-17 CR 32.158 Clarify only leaf resources can be created**

*Type: CR For: Approval  
 32.158 v17.1.0 CR-0057 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225382)

**Decision:** The document was **agreed**.

**S5-225383 Rel-16 CR 32.158 Clarify HTTP POST and HTTP PUT response message format**

*Type: CR For: Approval  
 32.158 v16.6.0 CR-0058 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225635**.

**S5-225635 Rel-16 CR 32.158 Clarify HTTP POST and HTTP PUT response message format**

*Type: CR For: Approval  
 32.158 v16.6.0 CR-0058 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225383)

**Decision:** The document was **agreed**.

**S5-225384 Rel-17 CR 32.158 Clarify HTTP POST and HTTP PUT response message format**

*Type: CR For: Approval  
 32.158 v17.1.0 CR-0059 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225634**.

**S5-225634 Rel-17 CR 32.158 Clarify HTTP POST and HTTP PUT response message format**

*Type: CR For: Approval  
 32.158 v17.1.0 CR-0059 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225384)

**Decision:** The document was **agreed**.

**S5-225386 Rel-16 CR 32.158 Correct and clarify numerous smaller issues**

*Type: CR For: Approval  
 32.158 v16.6.0 CR-0060 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225387 Rel-17 CR 32.158 Correct and clarify numerous smaller issues**

*Type: CR For: Approval  
 32.158 v17.1.0 CR-0061 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225388 Rel-17 CR TS 28.313 align the discription between TS 28.541 for CSON PCI configuration**

*Type: CR For: Approval  
 28.313 v17.5.0 CR-0052 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-225618**.

**S5-225618 Rel-17 CR TS 28.313 align the discription between TS 28.541 for CSON PCI configuration**

*Type: CR For: Approval  
 28.313 v17.5.0 CR-0052 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-225388)

**Decision:** The document was **agreed**.

**S5-225393 Rel-16 CR 32.158 Clarify use of the JSON Patch test operation**

*Type: CR For: Approval  
 32.158 v16.6.0 CR-0062 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225399 Rel-17 CR 32.158 Clarify use of the JSON Patch test operation**

*Type: CR For: Approval  
 32.158 v17.1.0 CR-0063 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225517 CR Rel-17 28.104 Correction of MDA request and reporting workflow**

*Type: CR For: Agreement  
 28.104 v17.0.1 CR-0015 Cat: F (Rel-17)  
  
 Source: Intel, NEC*

**Decision:** The document was **revised to S5-225856**.

**S5-225856 CR Rel-17 28.104 Correction of MDA request and reporting workflow**

*Type: CR For: Agreement  
 28.104 v17.0.1 CR-0015 rev 1 Cat: F (Rel-17)  
  
 Source: Intel, NEC*

(Replaces S5-225517)

**Decision:** The document was **agreed**.

**S5-225518 CR Rel-17 28.622 Generalize the ThresholdInfo data type**

*Type: CR For: Agreement  
 28.622 v17.2.0 CR-0175 Cat: F (Rel-17)  
  
 Source: Intel*

**Decision:** The document was **not pursued**.

**S5-225532 Rel-16 CR 32.421 Enhancement of scope regarding RCEF**

*Type: CR For: Approval  
 32.421 v16.2.0 CR-0105 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225533 Rel-17 CR 32.421 Enhancement of scope regarding RCEF**

*Type: CR For: Approval  
 32.421 v17.3.0 CR-0106 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225534 Rel-16 CR 32.422 Enhancement of scope regarding RCEF**

*Type: CR For: Approval  
 32.422 v16.10.0 CR-0404 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225535 Rel-17 CR 32.422 Enhancement of scope regarding RCEF**

*Type: CR For: Approval  
 32.422 v17.7.1 CR-0405 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225536 Rel-16 CR 32.423 Enhancement of scope regarding RCEF**

*Type: CR For: Approval  
 32.423 v16.6.0 CR-0135 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

**S5-225537 Rel-17 CR 32.423 Enhancement of scope regarding RCEF**

*Type: CR For: Approval  
 32.423 v17.4.0 CR-0136 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

**S5-225538 Rel-17 CR 28.623 Correction of file names in OpenAPI Solution Set**

*Type: CR For: Approval  
 28.623 v17.2.2 CR-0186 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225542 Rel-17 CR TS 28.554 Updating Packet transmission reliability KPI in DL on N3**

*Type: CR For: Approval  
 28.554 v17.7.0 CR-0099 Cat: F (Rel-17)  
  
 Source: Samsung Electronics Nordic AB*

**Decision:** The document was **revised to S5-225633**.

**S5-225633 Rel-17 CR TS 28.554 Updating Packet transmission reliability KPI in DL on N3**

*Type: CR For: Approval  
 28.554 v17.7.0 CR-0099 rev 1 Cat: F (Rel-17)  
  
 Source: Samsung Electronics Nordic AB*

(Replaces S5-225542)

**Decision:** The document was **agreed**.

**S5-225543 Rel-18 CR TS 28.554 Updating Packet transmission reliability KPI in DL on N3**

*Type: CR For: Approval  
 28.554 v17.7.0 CR-0100 Cat: A (Rel-18)  
  
 Source: Samsung Electronics Nordic AB*

**Decision:** The document was **revised to S5-225632**.

**S5-225632 Rel-18 CR TS 28.554 Updating Packet transmission reliability KPI in DL on N3**

*Type: CR For: Approval  
 28.554 v17.7.0 CR-0100 rev 1 Cat: A (Rel-18)  
  
 Source: Samsung Electronics Nordic AB*

(Replaces S5-225543)

**Decision:** The document was **agreed**.

**S5-225544 Rel-16 CR 28.623 Correction of attribute names according to Upper Camel Case Convention and WKA**

*Type: CR For: Approval  
 28.623 v16.11.2 CR-0187 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

**Decision:** The document was **agreed**.

**S5-225545 Rel-17 CR 28.623 Correction of attribute names according to Upper Camel Case Convention and WKA**

*Type: CR For: Approval  
 28.623 v17.2.2 CR-0188 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

**Decision:** The document was **agreed**.

**S5-225553 Rel-17 CR TS 28.105 Clarifications and corrections of Use cases**

*Type: CR For: Agreement  
 28.105 v17.0.0 CR-0005 Cat: F (Rel-17)  
  
 Source: NEC, Intel*

**Decision:** The document was **revised to S5-225629**.

**S5-225629 Rel-17 CR TS 28.105 Clarifications and corrections of Use cases**

*Type: CR For: Agreement  
 28.105 v17.0.0 CR-0005 rev 1 Cat: F (Rel-17)  
  
 Source: NEC, Intel*

(Replaces S5-225553)

**Decision:** The document was **agreed**.

**S5-225557 Discussion paper on state management and network slicing**

*Type: discussion For: Endorsement  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **not pursued**.

**S5-225558 Clarify and update state management for network slicing**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0780 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **not pursued**.

**S5-225559 Clarify and update state management for network slicing**

*Type: CR For: Approval  
 28.541 v17.7.0 CR-0781 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **not pursued**.

**S5-225560 Clarify and update state management for network slicing**

*Type: CR For: Approval  
 28.541 v16.13.0 CR-0782 Cat: A (Rel-16)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **not pursued**.

**S5-225561 Clarify and update state management for network slicing**

*Type: CR For: Approval  
 28.541 v15.8.0 CR-0783 Cat: F (Rel-15)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **not pursued**.

**S5-225562 Add missing tags in stage 3**

*Type: CR For: Approval  
 28.536 v17.3.1 CR-0056 Cat: F (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **revised to S5-225628**.

**S5-225628 Add missing tags in stage 3**

*Type: CR For: Approval  
 28.536 v17.3.1 CR-0056 rev 1 Cat: F (Rel-17)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-225562)

**Decision:** The document was **agreed**.

**S5-225563 Remove example from network slice subnet instance modification**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0131 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **revised to S5-225627**.

**S5-225627 Remove example from network slice subnet instance modification**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0131 rev 1 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-225563)

**Decision:** The document was **agreed**.

**S5-225564 Remove example from network slice subnet instance modification**

*Type: CR For: Approval  
 28.531 v16.12.0 CR-0132 Cat: A (Rel-16)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **revised to S5-225626**.

**S5-225626 Remove example from network slice subnet instance modification**

*Type: CR For: Approval  
 28.531 v16.12.0 CR-0132 rev 1 Cat: A (Rel-16)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-225564)

**Decision:** The document was **agreed**.

**S5-225565 Remove example from network slice instance modification**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0133 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **revised to S5-225625**.

**S5-225625 Remove example from network slice instance modification**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0133 rev 1 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-225565)

**Decision:** The document was **agreed**.

**S5-225566 Rel-17 CR TS 28.105 Clarifications and corrections into the Class definitions and Attribute properties**

*Type: CR For: Agreement  
 28.105 v17.0.0 CR-0006 Cat: F (Rel-17)  
  
 Source: NEC, Intel*

**Decision:** The document was **revised to S5-225630**.

**S5-225630 Rel-17 CR TS 28.105 Clarifications and corrections into the Class definitions and Attribute properties**

*Type: CR For: Agreement  
 28.105 v17.0.0 CR-0006 rev 1 Cat: F (Rel-17)  
  
 Source: NEC, Intel*

(Replaces S5-225566)

**Decision:** The document was **agreed**.

**S5-225567 Remove example from network slice instance modification**

*Type: CR For: Approval  
 28.531 v16.12.0 CR-0134 Cat: A (Rel-16)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **revised to S5-225624**.

**S5-225624 Remove example from network slice instance modification**

*Type: CR For: Approval  
 28.531 v16.12.0 CR-0134 rev 1 Cat: A (Rel-16)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-225567)

**Decision:** The document was **agreed**.

**S5-225568 Rel-17 CR TS 28.105 Correction and clarifications of the Requirements**

*Type: CR For: Agreement  
 28.105 v17.0.0 CR-0007 Cat: F (Rel-17)  
  
 Source: NEC, Intel*

**Decision:** The document was **revised to S5-225631**.

**S5-225631 Rel-17 CR TS 28.105 Correction and clarifications of the Requirements**

*Type: CR For: Agreement  
 28.105 v17.0.0 CR-0007 rev 1 Cat: F (Rel-17)  
  
 Source: NEC, Intel*

(Replaces S5-225568)

**Decision:** The document was **agreed**.

**S5-225569 Correct role in network slice subnet allocation use case**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0135 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **revised to S5-225622**.

**S5-225622 Correct role in network slice subnet allocation use case**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0135 rev 1 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-225569)

**Decision:** The document was **agreed**.

**S5-225570 Correct role in network slice subnet allocation use case**

*Type: CR For: Approval  
 28.531 v16.12.0 CR-0136 Cat: F (Rel-16)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Decision:** The document was **revised to S5-225621**.

**S5-225621 Correct role in network slice subnet allocation use case**

*Type: CR For: Approval  
 28.531 v16.12.0 CR-0136 rev 1 Cat: F (Rel-16)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

(Replaces S5-225570)

**Decision:** The document was **agreed**.

**S5-225571 Clarify 3GPP management system capability requirement**

*Type: CR For: Approval  
 28.530 v17.2.0 CR-0053 Cat: F (Rel-18)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Decision:** The document was **revised to S5-225623**.

**S5-225623 Clarify 3GPP management system capability requirement**

*Type: CR For: Approval  
 28.530 v17.2.0 CR-0053 rev 1 Cat: F (Rel-17)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

(Replaces S5-225571)

**Decision:** The document was **agreed**.

**S5-225572 Clarify network slice subnet configuration use case and requirement**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0137 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **not pursued**.

**S5-225573 Clarify network slice subnet configuration use case and requirement**

*Type: CR For: (not specified)  
 28.531 v16.12.0 CR-0138 Cat: F (Rel-16)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **not pursued**.

**S5-225574 Clarify translation in network slice allocation use case**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0139 Cat: F (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **revised to S5-225620**.

**S5-225620 Clarify translation in network slice allocation use case**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0139 rev 1 Cat: F (Rel-17)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-225574)

**Decision:** The document was **agreed**.

**S5-225575 Clarify capacity planning use case and requirement**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0140 Cat: F (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **merged**.

**S5-225576 Clarification and update of deallocation use case**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0141 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **not pursued**.

**S5-225577 Clarification and update of deallocation use case**

*Type: CR For: Approval  
 28.531 v16.12.0 CR-0142 Cat: F (Rel-16)  
  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **not pursued**.

**S5-225588 Rel-17 CR for TS32.130 delete redundant figure**

*Type: CR For: Approval  
 32.130 v17.4.0 CR-0021 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**S5-225589 Rel-17 CR for TS28.540 editorialCorrections**

*Type: CR For: Approval  
 28.540 v17.2.0 CR-0018 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**S5-225590 Rel-17 CR for TS28.552 Correct Mean and Max Time of requested conditional handover executions**

*Type: CR For: Approval  
 28.552 v17.7.1 CR-0384 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**S5-225605 Rel-15 CR TS 28.531 Remove example from network slice subnet instance modification**

*Type: CR For: Agreement  
 28.531 v15.9.0 CR-0143 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **agreed**.

**S5-225606 Rel-15 CR TS 28.531 Remove example from network slice instance modification**

*Type: CR For: Agreement  
 28.531 v15.9.0 CR-0144 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **agreed**.

### 6.4 Intelligence and Automation

#### 6.4.1 Self-Configuration of RAN NEs

##### 6.4.1.1 RANSC\_WoP#1

**S5-225213 TS 28.317 Use case and requirement for ARCF data handling**

*Type: pCR For: Approval  
 28.317 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **noted**.

**S5-225214 28.317 Usecase and requirement for Self-configuration Management**

*Type: pCR For: Approval  
 28.317 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **noted**.

**S5-225353 TS 28.317 Add Concept**

*Type: pCR For: (not specified)  
 28.317 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **noted**.

##### 6.4.1.2 RANSC\_WoP#2

##### 6.4.1.3 RANSC\_WoP#3

### 6.5 Management Architecture and Mechanisms

#### 6.5.1 Network slicing provisioning rules

##### 6.5.1.1 NSRULE\_WoP#1

**S5-225550 Specify network slicing provisioning rules requirements**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0130 Cat: B (Rel-18)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Decision:** The document was **not pursued**.

##### 6.5.1.2 NSRULE\_WoP#2

**S5-225096 Rel-18 CR TS 28.541 Add NRM for network slice isolation**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0751 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-225156 Add network slice isolation use case and requirements**

*Type: CR For: Approval  
 28.530 v17.2.0 CR-0052 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-225552 Add network slice rules to NRM**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0779 Cat: B (Rel-18)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Decision:** The document was **not pursued**.

#### 6.5.2 Additional NRM features phase 2

##### 6.5.2.1 AdNRM\_ph2\_WoP#1

##### 6.5.2.2 AdNRM\_ph2\_WoP#2

**S5-225061 Enhance 5G Core managed NF Profile NRM fragment**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0732 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This CR is direct conversion without changes from agreed DraftCR S5-224348

**Decision:** The document was **agreed**.

**S5-225062 NRM enhancements for UPFFunction**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0733 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This CR is irect conversion without changes from agreed DraftCR S5-224349.

**Decision:** The document was **agreed**.

**S5-225063 TS28.541 Rel-18 NRM enhancements for NSSFFunction**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0734 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225064 TS28.541 Rel-18 NRM enhancements for PCFFunction**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0735 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225839**.

**S5-225839 TS28.541 Rel-18 NRM enhancements for PCFFunction**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0735 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225064)

**Decision:** The document was **agreed**.

**S5-225065 TS28.541 Rel-18 NRM enhancements for UDMFunction**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0736 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225838**.

**S5-225838 TS28.541 Rel-18 NRM enhancements for UDMFunction**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0736 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225065)

**Decision:** The document was **agreed**.

**S5-225066 TS28.541 Rel-18 NRM enhancements for UDRFunction**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0737 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225837**.

**S5-225837 TS28.541 Rel-18 NRM enhancements for UDRFunction**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0737 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225066)

**Decision:** The document was **agreed**.

**S5-225119 Add Scheduler IOC - YANG**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0752 Cat: B (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **not pursued**.

**S5-225120 Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 2)**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0753 Cat: C (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **not pursued**.

**S5-225121 Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 3, YANG)**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0754 Cat: C (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **not pursued**.

**S5-225122 Rel-18 28.541 Add BWP set support to NRM (stage 2)**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0755 Cat: B (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-225832**.

**S5-225832 Rel-18 28.541 Add BWP set support to NRM (stage 2)**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0755 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-225122)

**Decision:** The document was **agreed**.

**S5-225123 Rel-18 28.541 Add BWP set support to NRM (stage 3, YANG)**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0756 Cat: B (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **agreed**.

**S5-225195 DP on structure proposal for new generic NRM specification**

*Type: discussion For: Endorsement  
 28.541 v..  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225196 Rel-18 CR 28.541 Add BWP set support to NRM (Stage3, YAML)**

*Type: CR For: Agreement  
 28.541 v18.0.0 CR-0764 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-225831**.

**S5-225831 Rel-18 CR 28.541 Add BWP set support to NRM (Stage3, YAML)**

*Type: CR For: Agreement  
 28.541 v18.0.0 CR-0764 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-225196)

**Decision:** The document was **agreed**.

**S5-225327 Rel-18 Input to draftCR 28.622 Modification and Correction of Scheduler IOC (stage 2)**

*Type: other For: Approval  
 28.622 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225836**.

**S5-225836 Rel-18 Input to draftCR 28.622 Modification and Correction of Scheduler IOC (stage 2)**

*Type: other For: Approval  
 28.622 v..  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225327)

**Decision:** The document was **approved**.

**S5-225328 Rel-18 Input to draftCR 28.623 Modification and Correction of Scheduler IOC (stage 2)**

*Type: other For: Approval  
 28.623 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225835**.

**S5-225835 Rel-18 Input to draftCR 28.623 Modification and Correction of Scheduler IOC (stage 2)**

*Type: other For: Approval  
 28.623 v..  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225328)

**Decision:** The document was **approved**.

**S5-225329 DP on Introduction of Stage 2 Common Data Type Definitions**

*Type: discussion For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**S5-225330 Draft Skeleton for TS on Common Data Type Definitions**

*Type: discussion For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**S5-225331 Rel-18 Input to draftCR 28.622 Introduce Condition Monitor and enhance PerfMetricJob to allow that service is executed only if conditions are satisfied (stage 2)**

*Type: other For: Approval  
 28.622 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225834**.

**S5-225834 Rel-18 Input to draftCR 28.622 Introduce Condition Monitor and enhance PerfMetricJob to allow that service is executed only if conditions are satisfied (stage 2)**

*Type: other For: Approval  
 28.622 v..  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225331)

**Decision:** The document was **approved**.

**S5-225332 Rel-18 Input to draftCR 28.623 Introduce Condition Monitor and enhance PerfMetricJob to allow that service is executed only if conditions are satisfied (stage 2)**

*Type: other For: Approval  
 28.623 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225833**.

**S5-225833 Rel-18 Input to draftCR 28.623 Introduce Condition Monitor and enhance PerfMetricJob to allow that service is executed only if conditions are satisfied (stage 2)**

*Type: other For: Approval  
 28.623 v..  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225332)

**Decision:** The document was **approved**.

**S5-225495 Revised WID on Additional NRM features phase 2**

*Type: WID revised For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**S5-225539 Rel-18 Input to draftCR 28.537 Requirements for Conditional Execution of Management Services**

*Type: other For: Approval  
 28.537 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

##### 6.5.2.3 AdNRM\_ph2\_WoP#3

**S5-225197 Rel-18 CR TS 28.541 Update NWDAFFunction IOC to support management and control purpose**

*Type: CR For: Agreement  
 28.541 v18.0.0 CR-0765 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-225830**.

**S5-225830 Rel-18 CR TS 28.541 Update NWDAFFunction IOC to support management and control purpose**

*Type: CR For: Agreement  
 28.541 v18.0.0 CR-0765 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-225197)

**Decision:** The document was **agreed**.

#### 6.5.3 Enhanced Edge Computing Management

##### 6.5.3.1 eECM\_WoP#1

**S5-225135 Rel-18 InputToDraftCR 28.538 EAS Profile.doc**

*Type: other For: Agreement  
 28.538 v..  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-225842**.

**S5-225842 Rel-18 InputToDraftCR 28.538 EAS Profile.doc**

*Type: other For: Agreement  
 28.538 v..  
 Source: Samsung R&D Institute UK*

(Replaces S5-225135)

**Decision:** The document was **approved**.

**S5-225136 Rel-18 draftCR to CR conversion for eECM**

*Type: CR For: Agreement  
 28.538 v17.1.0 CR-0016 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **agreed**.

**S5-225137 Rel-18 InputToDraftCR 28.538 Asynchronous support**

*Type: other For: Agreement  
 28.538 v..  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **noted**.

**S5-225174 Discussion Paper on EES initiated EAS deployment**

*Type: discussion For: Endorsement  
 28.538 v..  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-225841**.

**S5-225841 Discussion Paper on EES initiated EAS deployment**

*Type: discussion For: Endorsement  
 28.538 v..  
 Source: Samsung R&D Institute UK*

(Replaces S5-225174)

**Decision:** The document was **endorsed**.

**S5-225177 Rel-18 InputToDraftCR 28.538 EES initiated EAS Deployment**

*Type: other For: Agreement  
 28.538 v..  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **noted**.

**S5-225231 Rel-18 CR 28.552 update measurement for EES**

*Type: CR For: Agreement  
 28.552 v17.7.1 CR-0376 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **merged**.

**S5-225232 InputToDraftCR 28.538 ECSFunction IOC update**

*Type: other For: Approval  
 28.538 v..  
 Source: Huawei*

**Decision:** The document was **withdrawn**.

**S5-225257 Rel-18 CR 28.538 ECSFunction IOC update**

*Type: CR For: Agreement  
 28.538 v17.1.0 CR-0018 Cat: B (Rel-18)  
  
 Source: Huawei Technologies Sweden AB*

**Decision:** The document was **revised to S5-225840**.

**S5-225840 Rel-18 CR 28.538 ECSFunction IOC update**

*Type: CR For: Agreement  
 28.538 v17.1.0 CR-0018 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei Technologies Sweden AB*

(Replaces S5-225257)

**Decision:** The document was **agreed**.

**S5-225345 Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC**

*Type: CR For: Approval  
 28.622 v17.2.0 CR-0173 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

**Decision:** The document was **not pursued**.

**S5-225346 Rel-18 CR 28.623 Add stage 3 solution for LcmJob IOC**

*Type: CR For: Approval  
 28.623 v17.2.2 CR-0183 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

**Decision:** The document was **not pursued**.

##### 6.5.3.2 eECM\_WoP#2

**S5-225175 Rel-18 InputToDraftCR 28.538 GSMA OP and ECM concept mapping**

*Type: other For: Agreement  
 28.538 v..  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-225847**.

**S5-225847 Rel-18 InputToDraftCR 28.538 GSMA OP and ECM concept mapping**

*Type: other For: Agreement  
 28.538 v..  
 Source: Samsung R&D Institute UK*

(Replaces S5-225175)

**Decision:** The document was **approved**.

**S5-225176 Rel-18 InputToDraftCR 28.538 Availability Zone.doc**

*Type: other For: Agreement  
 28.538 v..  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-225846**.

**S5-225846 Rel-18 InputToDraftCR 28.538 Availability Zone.doc**

*Type: other For: Agreement  
 28.538 v..  
 Source: Samsung R&D Institute UK*

(Replaces S5-225176)

**Decision:** The document was **approved**.

**S5-225514 Rel-18 CR 28.538 add a use case for EAS discovery failure measurement**

*Type: CR For: Approval  
 28.538 v17.1.0 CR-0019 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

**Decision:** The document was **revised to S5-225845**.

**S5-225845 Rel-18 CR 28.538 add a use case for EAS discovery failure measurement**

*Type: CR For: Approval  
 28.538 v17.1.0 CR-0019 rev 1 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

(Replaces S5-225514)

**Decision:** The document was **agreed**.

**S5-225515 Rel-18 CR 28.552 add a EAS discovery failure measurement**

*Type: CR For: Approval  
 28.552 v17.7.1 CR-0383 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

**Decision:** The document was **revised to S5-225844**.

**S5-225844 Rel-18 CR 28.552 add a EAS discovery failure measurement**

*Type: CR For: Approval  
 28.552 v17.7.1 CR-0383 rev 1 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

(Replaces S5-225515)

**Decision:** The document was **agreed**.

**S5-225516 Rel-18 CR 28.538 Add a procedure of EAS instantiation triggered by measurement data**

*Type: CR For: Approval  
 28.538 v17.1.0 CR-0020 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

**Decision:** The document was **revised to S5-225843**.

**S5-225843 Rel-18 CR 28.538 Add a procedure of EAS instantiation triggered by measurement data**

*Type: CR For: Approval  
 28.538 v17.1.0 CR-0020 rev 1 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

(Replaces S5-225516)

**Decision:** The document was **agreed**.

##### 6.5.3.3 eECM\_WoP#3

#### 6.5.4 Enhancement of QoE Measurement Collection

##### 6.5.4.1 eQoE\_WoP#1

**S5-225500 Adding Signalling Based Activation for NR**

*Type: CR For: Approval  
 28.405 v17.2.0 CR-0014 Cat: B (Rel-18)  
  
 Source: Ericsson Limited, Nokia*

**Decision:** The document was **revised to S5-225850**.

**S5-225850 Adding Signalling Based Activation for NR**

*Type: CR For: Approval  
 28.405 v17.2.0 CR-0014 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson Limited, Nokia*

(Replaces S5-225500)

**Decision:** The document was **agreed**.

**S5-225501 Handling of QoE measurement collection at handover in NR**

*Type: CR For: Approval  
 28.405 v17.2.0 CR-0015 Cat: B (Rel-18)  
  
 Source: Ericsson Limited, Nokia*

**Decision:** The document was **revised to S5-225849**.

**S5-225849 Handling of QoE measurement collection at handover in NR**

*Type: CR For: Approval  
 28.405 v17.2.0 CR-0015 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson Limited, Nokia*

(Replaces S5-225501)

**Decision:** The document was **agreed**.

**S5-225504 Adding QMC job**

*Type: CR For: Approval  
 28.622 v17.2.0 CR-0174 Cat: B (Rel-18)  
  
 Source: Ericsson Limited, Nokia*

**Decision:** The document was **agreed**.

**S5-225506 CR 28.623 Add QMC job (stage 3, YANG)**

*Type: CR For: Approval  
 28.623 v17.2.2 CR-0185 Cat: B (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-225848**.

**S5-225848 CR 28.623 Add QMC job (stage 3, YANG)**

*Type: CR For: Approval  
 28.623 v17.2.2 CR-0185 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-225506)

**Decision:** The document was **agreed**.

##### 6.5.4.2 eQoE\_WoP#2

**S5-225420 support QoE metrics collection for multiple MCEs**

*Type: CR For: Approval  
 28.404 v17.2.0 CR-0009 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-225460 support QoE metrics collection for multiple MCEs**

*Type: CR For: Approval  
 28.405 v17.2.0 CR-0013 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

#### 6.5.5 Access control for management service

##### 6.5.5.1 MSAC\_WoP#1

##### 6.5.5.2 MSAC\_WoP#2

**S5-225355 Rel-18 TS28.532 enhance OpenAPI to support access control**

*Type: CR For: Approval  
 28.532 v17.1.1 CR-0225 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-225356 Rel-18 TS28.533 enhancement to support access control**

*Type: CR For: Approval  
 28.533 v17.2.0 CR-0101 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

##### 6.5.5.3 MSAC\_WoP#3

#### 6.5.6 5G performance measurements and KPIs phase 3

##### 6.5.6.1 PM\_KPI\_5G\_Ph3\_WoP#1

##### 6.5.6.2 PM\_KPI\_5G\_Ph3\_WoP#2

**S5-225192 R18 CR TS 28.552 Add use case of remote interference related performance measurement**

*Type: CR For: Agreement  
 28.552 v17.7.1 CR-0375 Cat: B (Rel-18)  
  
 Source: China Telecomunication Corp., Huawei*

**Abstract:**

This is the CR submission of S5-224356 draftCR which is approved in #144-e.

**Decision:** The document was **agreed**.

**S5-225338 Rel-18 CR 28.313 Add beam specific inter-RAT handover counters related to MRO**

*Type: CR For: Approval  
 28.313 v17.5.0 CR-0051 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Converted CR from draftCR S5-224168 approved at SA5#144e.

**Decision:** The document was **endorsed**.

**S5-225339 Rel-18 CR 28.552 Add beam specific inter-system handover counters related to MRO**

*Type: CR For: Approval  
 28.552 v17.7.1 CR-0379 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225852**.

**S5-225852 Rel-18 CR 28.552 Add beam specific inter-system handover counters related to MRO**

*Type: CR For: Approval  
 28.552 v17.7.1 CR-0379 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225339)

**Decision:** The document was **agreed**.

**S5-225344 Rel-18 CR 28.552 Add the per SSB RSRQ and SINR measurements**

*Type: CR For: Approval  
 28.552 v17.7.1 CR-0380 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

**Decision:** The document was **agreed**.

**S5-225354 Rel-18 CR TS 28.552 Add measurements for UE throughput of Dedicated BWP**

*Type: CR For: Agreement  
 28.552 v17.7.1 CR-0381 Cat: B (Rel-18)  
  
 Source: China Telecomunication Corp., ZTE, Nokia*

**Decision:** The document was **revised to S5-225851**.

**S5-225851 Rel-18 CR TS 28.552 Add measurements for UE throughput of Dedicated BWP**

*Type: CR For: Agreement  
 28.552 v17.7.1 CR-0381 rev 1 Cat: B (Rel-18)  
  
 Source: China Telecomunication Corp., ZTE, Nokia*

(Replaces S5-225354)

**Decision:** The document was **agreed**.

**S5-225417 CR TS28.552 Add new measurement on average air-interface efficiency**

*Type: CR For: Approval  
 28.552 v17.7.1 CR-0382 Cat: B (Rel-18)  
  
 Source: China Unicom, China Telecom*

**Decision:** The document was **not pursued**.

##### 6.5.6.3 PM\_KPI\_5G\_Ph3\_WoP#3

**S5-225110 Rel-18 CR 28.550 GPB schema introduction for PM streaming**

*Type: CR For: Approval  
 28.550 v17.1.0 CR-0074 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Mavenir, Intel*

**Decision:** The document was **revised to S5-225853**.

**S5-225853 Rel-18 CR 28.550 GPB schema introduction for PM streaming**

*Type: CR For: Approval  
 28.550 v17.1.0 CR-0074 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Mavenir, Intel*

(Replaces S5-225110)

**Decision:** The document was **agreed**.

**S5-225115 DP on enhancing streaming format of PMs**

*Type: discussion For: Endorsement  
 28.550 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

**S5-225116 Rel-18 CR 28.550 Enhancing the streaming format of PMs**

*Type: CR For: Approval  
 28.550 v17.1.0 CR-0075 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

**S5-225319 DP to add GPB format for PM Counter streaming**

*Type: discussion For: Endorsement  
 28.550 v..  
 Source: Ericsson Inc.*

**Decision:** The document was **endorsed**.

### 6.6 Support of New Services

#### 6.6.1 Enhancements of EE for 5G Phase 2

##### 6.6.1.1 EE5GPLUS\_Ph2\_WoP#1

**S5-225396 Rel-18 pCR TR 28.913 Add key issue for Energy Saving compensation procedure**

*Type: pCR For: Approval  
 28.913 v0.2.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225864**.

**S5-225864 Rel-18 pCR TR 28.913 Add key issue for Energy Saving compensation procedure**

*Type: pCR For: Approval  
 28.913 v0.2.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225396)

**Decision:** The document was **approved**.

**S5-225555 Add new formula for the estimation of the energy consumption**

*Type: CR For: Agreement  
 28.554 v17.7.0 CR-0101 Cat: B (Rel-18)  
  
 Source: Huawei Technologies France*

**Decision:** The document was **not pursued**.

##### 6.6.1.2 EE5GPLUS\_Ph2\_WoP#2

#### 6.6.2 Network slice provisioning enhancement

##### 6.6.2.1 eNETSLICE\_PRO\_WoP#1

**S5-225087 Rel-18 CR TS 28.623 Add AvailabilityStatus and LifecycleState to comDefs**

*Type: CR For: Approval  
 28.623 v17.2.2 CR-0176 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-225088 Rel-18 CR TS 28.541 Add lifecycleState and availabilityStatus attributes to NetworkSlice and NetworkSliceSubnet**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0746 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-225089 Rel-18 CR TS 28.531 Update procedures for asynchronous mode of operations for Network Slice and Network Slice Subnet LCM**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0119 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-225134 Rel-18 CR 28.531 Fixing provisioning data reporting service**

*Type: CR For: Agreement  
 28.531 v17.4.0 CR-0124 Cat: C (Rel-18)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-225855**.

**S5-225855 Rel-18 CR 28.531 Fixing provisioning data reporting service**

*Type: CR For: Agreement  
 28.531 v17.4.0 CR-0124 rev 1 Cat: C (Rel-18)  
  
 Source: Samsung R&D Institute UK*

(Replaces S5-225134)

**Decision:** The document was **agreed**.

**S5-225546 Discussion paper on asynchronous operations support for network slicing**

*Type: discussion For: Endorsement  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **noted**.

**S5-225547 Add asynchronous network slicing provisioning procedures**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0128 Cat: B (Rel-18)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Decision:** The document was **not pursued**.

**S5-225548 Add Job IOCs for asynchronous network slicing provisioning procedures**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0778 Cat: B (Rel-18)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Decision:** The document was **not pursued**.

**S5-225549 Add use case and requirement for obtaining network slice subnet capability information**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0129 Cat: B (Rel-18)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Decision:** The document was **not pursued**.

##### 6.6.2.2 eNETSLICE\_PRO\_WoP#2

**S5-225075 TS28.531 Update operations of allocateNsi, allocateNssi, deallocateNsi, deallocateNssi**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0117 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-225086 Rel-18 CR TS 28.531 Update procedures for modification of Network Slice and Network Slice Subnet MOIs**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0118 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This CR is converted from #144e draftCR with tdoc number S5-224279

**Decision:** The document was **revised to S5-225854**.

**S5-225854 Rel-18 CR TS 28.531 Update procedures for modification of Network Slice and Network Slice Subnet MOIs**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0118 rev 1 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225086)

**Decision:** The document was **agreed**.

**S5-225090 Rel-18 CR TS 28.531 Removal of redundant network slice modification use case**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0120 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225091 Rel-18 CR TS 28.531 Add provisioning procedure for slice activation and deactivation using adminsitrative state**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0121 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **agreed**.

**S5-225180 Rel-18 CR 28.531 Update procedures and operations to support asynchronous mode of operation.doc**

*Type: CR For: Agreement  
 28.531 v17.4.0 CR-0126 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **not pursued**.

**S5-225184 Rel-17 CR 28.541 adding processMonitor in NetworkSlice and NetworkSliceSubnet.doc**

*Type: CR For: Agreement  
 28.541 v18.0.0 CR-0763 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **not pursued**.

**S5-225394 Rel-18 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC**

*Type: CR For: Approval  
 28.541 v18.0.0 CR-0777 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

**S5-225395 Rel-18 CR TS 28.531 Correction to informative annex on network slice journey**

*Type: CR For: Approval  
 28.531 v17.4.0 CR-0127 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not pursued**.

### 6.7 Intelligence and Automation

#### 6.7.1 Study on enhancement of autonomous network levels

##### 6.7.1.1 FS\_eANL\_WoP#1

**S5-225308 pCR 28.910 Add introduction on relevant SI/WI in 3GPP**

*Type: pCR For: Approval  
 28.910 v0.2.0  
 Source: China Mobile, Huawei*

(Replaces S5-224127)

**Decision:** The document was **revised to S5-225679**.

**S5-225679 pCR 28.910 Add introduction on relevant SI/WI in 3GPP**

*Type: pCR For: Approval  
 28.910 v0.2.0  
 Source: China Mobile, Huawei*

(Replaces S5-225308)

**Decision:** The document was **approved**.

**S5-225309 pCR TR 28.910 Add key issue for enhancement of ANL for fault management**

*Type: pCR For: Approval  
 28.910 v0.2.0  
 Source: China Mobile, Huawei*

(Replaces S5-224128)

**Decision:** The document was **noted**.

**S5-225313 pCR TR 28.910 Add key issues for enhancement of network optimization**

*Type: pCR For: Approval  
 28.910 v0.2.0  
 Source: Huawei,China Mobile*

(Replaces S5-224049)

**Decision:** The document was **noted**.

**S5-225314 pCR TR 28.910 Add key issues for enhancement of ANL for RAN NE deployment**

*Type: pCR For: Approval  
 28.910 v0.2.0  
 Source: Huawei,China Mobile*

(Replaces S5-224050)

**Decision:** The document was **noted**.

##### 6.7.1.2 FS\_eANL\_WoP#2

##### 6.7.1.3 FS\_eANL\_WoP#3

**S5-225233 pCR TR 28.910 Add key issue for autonomous network level for 5GC network disaster recovery**

*Type: pCR For: Approval  
 28.910 v0.2.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225365 Add key issue for autonomous network level for network slice subnet related requirements determination**

*Type: pCR For: Approval  
 28.910 v0.2.0  
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **noted**.

**S5-225478 pCR TR 28.910 Add autonomous network level for service experience optimization**

*Type: pCR For: Approval  
 28.910 v0.2.0  
 Source: Huawei*

**Decision:** The document was **noted**.

##### 6.7.1.4 FS\_eANL\_WoP#4

#### 6.7.2 Study on evaluation of autonomous network levels

##### 6.7.2.1 FS\_ANLEVA\_WoP#1

**S5-225310 pCR 28.909 Add key issue of evaluation objects for autonomous network levels evaluation**

*Type: pCR For: Approval  
 28.909 v0.1.0  
 Source: China Mobile, Huawei*

(Replaces S5-224129)

**Decision:** The document was **noted**.

**S5-225311 pCR TR 28.909 Add key issues of generic methodology for autonomous network levels evaluation**

*Type: pCR For: Approval  
 28.909 v0.1.0  
 Source: China Mobile, Huawei*

(Replaces S5-224130)

**Decision:** The document was **noted**.

**S5-225587 pCR 28.909 Add ANLS evaluation of autonomous network**

*Type: pCR For: Approval  
 28.909 v0.1.0  
 Source: ZTE Corporation,China Mobile*

**Decision:** The document was **not treated**.

##### 6.7.2.2 FS\_ANLEVA\_WoP#2

**S5-225234 pCR TR 28.909 Add key issues for KEI of autonomous network levels evaluation for 5GC energy saving**

*Type: pCR For: Approval  
 28.909 v0.1.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225316 pCR TR 28.909 Add key issues for KEI of autonomous network levels evaluation for radio network optimization**

*Type: pCR For: Approval  
 28.909 v0.1.0  
 Source: Huawei,China Mobile*

(Replaces S5-224046)

**Decision:** The document was **noted**.

**S5-225317 pCR TR 28.909 Add general process of evaluating the autonomous network level**

*Type: pCR For: Approval  
 28.909 v0.1.0  
 Source: Huawei,China Mobile*

(Replaces S5-224047)

**Decision:** The document was **noted**.

##### 6.7.2.3 FS\_ANLEVA\_WoP#3

##### 6.7.2.4 FS\_ANLEVA\_WoP#4

#### 6.7.3 Study on enhanced intent driven management services for mobile networks

##### 6.7.3.1 FS\_eIDMS\_MN\_WoP#1

##### 6.7.3.2 FS\_eIDMS\_MN\_WoP#2

**S5-225056 pCR 28.912 Potential solution on Intent conflicts**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225680**.

**S5-225680 pCR 28.912 Potential solution on Intent conflicts**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225056)

**Decision:** The document was **approved**.

**S5-225057 pCR TR28.912 Key issue on enablers for Intent Fulfillment**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225685**.

**S5-225685 pCR TR28.912 Key issue on enablers for Intent Fulfillment**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225057)

**Decision:** The document was **approved**.

**S5-225058 pCR TR28.912 use case on Intent to AIML Capability Mapping**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225689**.

**S5-225689 pCR TR28.912 use case on Intent to AIML Capability Mapping**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225058)

**Decision:** The document was **approved**.

**S5-225059 pCR 28.912 Intent driven SON orchestration**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225691**.

**S5-225691 pCR 28.912 Intent driven SON orchestration**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225059)

**Decision:** The document was **approved**.

**S5-225060 pCR 28.912 Solution on AIMLEntity Capability Discovery and mapping**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225690**.

**S5-225690 pCR 28.912 Solution on AIMLEntity Capability Discovery and mapping**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225060)

**Decision:** The document was **approved**.

**S5-225198 pCR TR 28.912 Rapporteur clean up**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225199 pCR TR 28.912 Add issue for enhencement of generic intent information model definition**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-225688**.

**S5-225688 pCR TR 28.912 Add issue for enhencement of generic intent information model definition**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Huawei, Deutsche Telekom*

(Replaces S5-225199)

**Decision:** The document was **approved**.

**S5-225200 pCR TR 28.912 Update Issue#4.3 enhancement of radio network intent expectation to include the context for transport**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **approved**.

**S5-225201 pCR TR 28.912 Add issue for Intent handling capability obtaining**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-225687**.

**S5-225687 pCR TR 28.912 Add issue for Intent handling capability obtaining**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Huawei, Deutsche Telekom*

(Replaces S5-225201)

**Decision:** The document was **approved**.

**S5-225202 pCR TR 28.912 Add conclusion and recommendation for existing key issues**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225203 Presentation sheet of TR28.912 for information**

*Type: TS or TR cover For: Approval  
 28.912 v..  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225235 pCR TR 28.912 add potential solution for 5GC optimization**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225683**.

**S5-225683 pCR TR 28.912 add potential solution for 5GC optimization**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Huawei*

(Replaces S5-225235)

**Decision:** The document was **approved**.

**S5-225236 pCR TR 28.912 add potential solution for 5GC fault management**

*Type: pCR For: Approval  
 28.836 v0.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225682**.

**S5-225682 pCR TR 28.912 add potential solution for 5GC fault management**

*Type: pCR For: Approval  
 28.836 v0.2.0  
 Source: Huawei*

(Replaces S5-225236)

**Decision:** The document was **approved**.

**S5-225318 pCR TR 28.912 Add TMF procedure mappings**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-225692**.

**S5-225692 pCR TR 28.912 Add TMF procedure mappings**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Ericsson Inc.*

(Replaces S5-225318)

**Decision:** The document was **approved**.

**S5-225366 Add key issue for intent driven approach for fault predication**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **noted**.

**S5-225367 Add key issue for intent feasibility check**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **revised to S5-225686**.

**S5-225686 Add key issue for intent feasibility check**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: AsiaInfo Technologies Inc*

(Replaces S5-225367)

**Decision:** The document was **approved**.

**S5-225372 pCR 28.912 Add potential solutions for intent conflict**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-225681**.

**S5-225681 pCR 28.912 Add potential solutions for intent conflict**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-225372)

**Decision:** The document was **approved**.

**S5-225375 pCR 28.912 Add key issue for intent execution monitoring**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-225684**.

**S5-225684 pCR 28.912 Add key issue for intent execution monitoring**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-225375)

**Decision:** The document was **approved**.

**S5-225414 pCR 28.912 issue#4.2.1 Intent conflicts description enhancement**

*Type: pCR For: Decision  
 28.912 v0.3.0  
 Source: CMDI*

**Decision:** The document was **approved**.

**S5-225415 Technical Discussion on General Class Condition Enhancement**

*Type: discussion For: Endorsement  
 28.912 v..  
 Source: CMDI*

**Decision:** The document was **noted**.

**S5-225416 pCR 28.912 issue#4.x General class Condition enhancement**

*Type: pCR For: Decision  
 28.912 v0.3.0  
 Source: CMDI*

**Decision:** The document was **noted**.

**S5-225421 pCR TR 28.912 Update issue for enhancement of radio network intent expectation**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225521 pCR TS 28.912 Add Intent Reporting support**

*Type: pCR For: Approval  
 28.912 v0.3.0  
 Source: Ericsson Inc.*

**Decision:** The document was **noted**.

##### 6.7.3.3 FS\_eIDMS\_MN\_WoP#3

##### 6.7.3.4 FS\_eIDMS\_MN\_WoP#4

#### 6.7.4 Study on intent-driven management for network slicing

##### 6.7.4.1 FS\_NETSLICE\_IDMS\_WoP#1

**S5-225237 pCR TR 28.836 add use case of slice modification**

*Type: pCR For: Approval  
 28.836 v0.2.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225238 pCR 28.836 use case of Intent driven management for network slice feasibility check**

*Type: pCR For: Approval  
 28.836 v0.2.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225239 pCR TR 28.836 add use case of intent LCM**

*Type: pCR For: Approval  
 28.836 v0.2.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225554 Discussion paper on study intent driven management for network slicing**

*Type: discussion For: Endorsement  
 Source: L.M. Ericsson Limited*

**Decision:** The document was **withdrawn**.

##### 6.7.4.2 FS\_NETSLICE\_IDMS\_WoP#2

##### 6.7.4.3 FS\_NETSLICE\_IDMS\_WoP#3

**S5-225240 pCR TR 28.836 add intent model IntentExpectation for network slicing instance**

*Type: pCR For: Approval  
 28.836 v0.2.0  
 Source: Huawei*

**Decision:** The document was **noted**.

##### 6.7.4.4 FS\_NETSLICE\_IDMS\_WoP#4

##### 6.7.4.5 FS\_NETSLICE\_IDMS\_WoP#5

#### 6.7.5 Study on AI/ ML management

##### 6.7.5.1 FS\_AIML\_MGMT\_WoP#1

**S5-225033 pCR TR28.908 Updates terms**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **withdrawn**.

**S5-225034 pCR TR28.908 clarification on AIMLEntity Capability Mapping**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225696**.

**S5-225696 pCR TR28.908 clarification on AIMLEntity Capability Mapping**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225034)

**Decision:** The document was **approved**.

**S5-225035 pCR TR28.908 Potential Solution on AIMLEntity Capability Discovery**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225695**.

**S5-225695 pCR TR28.908 Potential Solution on AIMLEntity Capability Discovery**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225035)

**Decision:** The document was **approved**.

**S5-225389 pCR TR 28.908 Add AIML capabilities deployment scenarios**

*Type: pCR For: Approval  
 28.908 v18.3.0  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **noted**.

**S5-225392 pCR TR 28.908 Add illustration on AI-ML workflow**

*Type: pCR For: Approval  
 28.908 v18.3.0  
 Source: Huawei*

**Decision:** The document was **merged**.

**S5-225519 pCR 28.908 Enhance AI-ML workflow**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Intel, NEC*

**Decision:** The document was **revised to S5-225693**.

**S5-225693 pCR 28.908 Enhance AI-ML workflow**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Intel, NEC*

(Replaces S5-225519)

**Decision:** The document was **approved**.

##### 6.7.5.2 FS\_AIML\_MGMT\_WoP#2

##### 6.7.5.3 FS\_AIML\_MGMT\_WoP#3

**S5-225036 pCR 28.908 Potential solution on AIML Inference History**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225694**.

**S5-225694 pCR 28.908 Potential solution on AIML Inference History**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225036)

**Decision:** The document was **approved**.

**S5-225037 pCR 28.908 Add use case on AIML data trustworthiness**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **noted**.

**S5-225038 pCR 28.908 Add use case on AIML training trustworthiness**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **noted**.

**S5-225039 pCR 28.908 Add use case on AIML trustworthiness indicators**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **noted**.

**S5-225496 pCR TR 28.908 Add use case on AI-ML Security**

*Type: pCR For: Agreement  
 28.908 v0.3.0  
 Source: Ericsson-LG Co., LTD*

**Decision:** The document was **noted**.

**S5-225508 pCR 28.908 Add use case on multiple AIML entity testing**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: CATT*

**Decision:** The document was **noted**.

**S5-225509 pCR 28.908 Add use case on online AIML entity testing**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: CATT*

**Decision:** The document was **noted**.

**S5-225520 pCR 28.908 Add possible solution for AI-ML entity validation**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Intel, NEC*

**Decision:** The document was **approved**.

##### 6.7.5.4 FS\_AIML\_MGMT\_WoP#4

##### 6.7.5.5 FS\_AIML\_MGMT\_WoP#5

**S5-225040 pCR TR28.908 Potential solution on AIML Testing**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **merged**.

**S5-225041 pCR TR28.908 Potential solution on event data for ML training**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **noted**.

**S5-225522 pCR 28.908 Add possible solution for AI-ML entity testing**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Intel, NEC*

**Decision:** The document was **revised to S5-225697**.

**S5-225697 pCR 28.908 Add possible solution for AI-ML entity testing**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Intel, NEC*

(Replaces S5-225522)

**Decision:** The document was **approved**.

##### 6.7.5.6 FS\_AIML\_MGMT\_WoP#6

##### 6.7.5.7 FS\_AIML\_MGMT\_WoP#7

**S5-225391 pCR TR 28.908 Add possible solution on AI-ML model update**

*Type: pCR For: Approval  
 28.908 v18.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225698**.

**S5-225698 pCR TR 28.908 Add possible solution on AI-ML model update**

*Type: pCR For: Approval  
 28.908 v18.3.0  
 Source: Huawei*

(Replaces S5-225391)

**Decision:** The document was **approved**.

**S5-225489 pCR 28.908 Add possible solutions on AIML model deployment**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225523 pCR 28.908 Add possible solutions for AI-ML entity deployment**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Intel, NEC*

**Decision:** The document was **noted**.

##### 6.7.5.8 FS\_AIML\_MGMT\_WoP#8

**S5-225042 pCR TR28.908 Usecase on AIML Capability Update**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **noted**.

**S5-225043 pCR TR28.908 Usecase on improving retraining efficiency**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **approved**.

**S5-225044 pCR TR28.908 Usecase on Producer Initiated AIML Training**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225706**.

**S5-225706 pCR TR28.908 Usecase on Producer Initiated AIML Training**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225044)

**Decision:** The document was **approved**.

**S5-225045 pCR TR28.908 usecase on Orchestrating AIML inference**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225802**.

**S5-225802 pCR TR28.908 usecase on Orchestrating AIML inference**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225045)

**Decision:** The document was **approved**.

**S5-225046 pCR TR28.908 Usecase on ML GRADUAL ACTIVATION**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225703**.

**S5-225703 pCR TR28.908 Usecase on ML GRADUAL ACTIVATION**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225046)

**Decision:** The document was **approved**.

**S5-225047 pCR TR28.908 Potential solutions on AIML context**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225705**.

**S5-225705 pCR TR28.908 Potential solutions on AIML context**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225047)

**Decision:** The document was **approved**.

**S5-225048 pCR TR28.908 Requirements on Mobility of AIML Context**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225704**.

**S5-225704 pCR TR28.908 Requirements on Mobility of AIML Context**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225048)

**Decision:** The document was **approved**.

**S5-225049 pCR TR28.908 Usecase on Abstraction of ML Performance**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **withdrawn**.

**S5-225050 pCR TR28.908 selection of AIML performance indicators**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **noted**.

**S5-225051 pCR TR28.908 Usecase on Policy based selection of Performance Indicators**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **noted**.

**S5-225052 pCR TR28.908 usecase on impacts of AIML inference actions**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225702**.

**S5-225702 pCR TR28.908 usecase on impacts of AIML inference actions**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225052)

**Decision:** The document was **approved**.

**S5-225053 pCR TR28.908 Usecase on Abstract AIML Behavior**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225701**.

**S5-225701 pCR TR28.908 Usecase on Abstract AIML Behavior**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225053)

**Decision:** The document was **approved**.

**S5-225390 pCR TR 28.908 Add use case on AI-ML model configuration**

*Type: pCR For: Approval  
 28.908 v18.3.0  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-225700**.

**S5-225700 pCR TR 28.908 Add use case on AI-ML model configuration**

*Type: pCR For: Approval  
 28.908 v18.3.0  
 Source: Huawei, Deutsche Telekom*

(Replaces S5-225390)

**Decision:** The document was **approved**.

**S5-225502 pCR 28.908 Use case on Coordination of the AIML capability between 5GC/RAN and OAM node**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This pCR is try to address objective 2 in SID 940039, although not part of WoP#8, but according to schedule, this is the last meeting for contribution submission. Hence submitted with last available WoP.

**Decision:** The document was **revised to S5-225699**.

**S5-225699 pCR 28.908 Use case on Coordination of the AIML capability between 5GC/RAN and OAM node**

*Type: pCR For: Approval  
 28.908 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225502)

**Decision:** The document was **approved**.

##### 6.7.5.9 FS\_AIML\_MGMT\_WoP#9

##### 6.7.5.10 FS\_AIML\_MGMT\_WoP#10

#### 6.7.6 Study on Enhancement of the management aspects related to NWDAF

##### 6.7.6.1 FS\_MANWDAF\_WoP#1

##### 6.7.6.2 FS\_MANWDAF\_WoP#2

**S5-225054 pCR 28.864 Potential solution on service usage of NWDAF**

*Type: pCR For: Approval  
 28.864 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225712**.

**S5-225712 pCR 28.864 Potential solution on service usage of NWDAF**

*Type: pCR For: Approval  
 28.864 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225054)

**Decision:** The document was **approved**.

**S5-225152 pCR TR28.864 Key issue on NWDAF Analytics-related Timing**

*Type: pCR For: Approval  
 28.864 v0.3.0  
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-225711**.

**S5-225711 pCR TR28.864 Key issue on NWDAF Analytics-related Timing**

*Type: pCR For: Approval  
 28.864 v0.3.0  
 Source: Nokia Italy*

(Replaces S5-225152)

**Decision:** The document was **approved**.

**S5-225368 pCR TR 28.864 Add potential solution related with number of subscriptions and notifications for NWDAF Data Collection**

*Type: pCR For: Approval  
 28.864 v0.3.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-225710**.

**S5-225710 pCR TR 28.864 Add potential solution related with number of subscriptions and notifications for NWDAF Data Collection**

*Type: pCR For: Approval  
 28.864 v0.3.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-225368)

**Decision:** The document was **approved**.

**S5-225488 pCR 28.864 Update key issue for the performance measurement of the NWDAF on the interaction aspect**

*Type: pCR For: Approval  
 28.864 v0.3.0  
 Source: Chinatelecom Cloud*

**Decision:** The document was **approved**.

**S5-225490 pCR 28.864 Add the potential solution for the performance measurement of the NWDAF on the interaction aspect**

*Type: pCR For: Approval  
 28.864 v0.3.0  
 Source: Chinatelecom Cloud*

**Decision:** The document was **revised to S5-225709**.

**S5-225709 pCR 28.864 Add the potential solution for the performance measurement of the NWDAF on the interaction aspect**

*Type: pCR For: Approval  
 28.864 v0.3.0  
 Source: Chinatelecom Cloud*

(Replaces S5-225490)

**Decision:** The document was **approved**.

**S5-225491 New key issue for the performance measurement of the NWDAF related to the analytics result generation**

*Type: pCR For: Approval  
 28.864 v0.3.0  
 Source: Chinatelecom Cloud*

**Decision:** The document was **revised to S5-225708**.

**S5-225708 New key issue for the performance measurement of the NWDAF related to the analytics result generation**

*Type: pCR For: Approval  
 28.864 v0.3.0  
 Source: Chinatelecom Cloud*

(Replaces S5-225491)

**Decision:** The document was **approved**.

**S5-225513 pCR Adding use case for KI#4**

*Type: pCR For: (not specified)  
 28.864 v0.3.0  
 Source: China Telecom*

**Abstract:**

we propose to add description of use case to Key Issue #4 of TR 28.864

**Decision:** The document was **revised to S5-225707**.

**S5-225707 pCR Adding use case for KI#4**

*Type: pCR For: -  
 28.864 v0.3.0  
 Source: China Telecom*

(Replaces S5-225513)

**Decision:** The document was **approved**.

#### 6.7.7 Study on Fault Supervision Evolution

##### 6.7.7.1 FS\_FSEV\_WoP#1

**S5-225422 pCR 28.830 Add clause Background**

*Type: pCR For: Approval  
 28.830 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225713**.

**S5-225713 pCR 28.830 Add clause Background**

*Type: pCR For: Approval  
 28.830 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225422)

**Decision:** The document was **approved**.

**S5-225459 pCR 28.830 Add alarm related definitions**

*Type: pCR For: Approval  
 28.830 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**S5-225578 Discussion paper on basic concepts in FSEV study**

*Type: pCR For: Approval  
 28.830 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **noted**.

**S5-225579 pCR TR 28.830 Add background**

*Type: pCR For: Approval  
 28.830 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **noted**.

**S5-225580 pCR TR 28.830 Add relation description with existing MnS**

*Type: pCR For: Approval  
 28.830 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **noted**.

##### 6.7.7.2 FS\_FSEV\_WoP#2

**S5-225486 pCR 28.830 Add framework of FSEV**

*Type: pCR For: Approval  
 28.830 v0.2.0  
 Source: Huawei, China Mobile*

**Decision:** The document was **noted**.

**S5-225487 pCR 28.830 Add interface description**

*Type: pCR For: Approval  
 28.830 v0.2.0  
 Source: Huawei, China Mobile*

**Decision:** The document was **noted**.

**S5-225581 pCR TR 28.830 Add description of key issue service outage**

*Type: pCR For: Approval  
 28.830 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **noted**.

**S5-225582 pCR TR 28.830 Add description of key issue performance degradation**

*Type: pCR For: Approval  
 28.830 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **noted**.

**S5-225583 pCR TR 28.830 Add description of key issue 5GC service failure prediction**

*Type: pCR For: Approval  
 28.830 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **noted**.

**S5-225584 pCR TR 28.830 Add solution of key issue service outage**

*Type: pCR For: Approval  
 28.830 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **noted**.

**S5-225585 pCR TR 28.830 Add solution of key issue performance degradation**

*Type: pCR For: Approval  
 28.830 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **noted**.

**S5-225586 pCR TR 28.830 Add solution of key issue 5GC service failure prediction**

*Type: pCR For: Approval  
 28.830 v0.1.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **noted**.

##### 6.7.7.3 FS\_FSEV\_WoP#3

#### 6.7.8 Study on measurement data collection to support RAN intelligence

##### 6.7.8.1 FS\_MEDACO\_RAN\_WoP#1

**S5-225193 pCR TR 28.838 Use case on management data correlation analytics**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**S5-225208 Add Use Case of load balancing**

*Type: pCR For: Decision  
 28.838 v0.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **noted**.

**S5-225340 pCR 28.838 add use case of mobility optimization**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Intel Korea, Ltd.*

**Decision:** The document was **noted**.

**S5-225341 pCR 28.838 add the use case of network energy saving**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Intel Korea, Ltd.*

**Decision:** The document was **noted**.

**S5-225342 pCR 28.838 add concept**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Intel Korea, Ltd.*

**Decision:** The document was **noted**.

**S5-225343 pCR 28.838 add solution**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Intel Korea, Ltd.*

**Decision:** The document was **noted**.

**S5-225503 pCR 28.838 Use case on predictions alignment**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

##### 6.7.8.2 FS\_MEDACO\_RAN\_WoP#2

##### 6.7.8.3 FS\_MEDACO\_RAN\_WoP#3

### 6.8 Management Architecture and Mechanisms

#### 6.8.1 Study on Enhancement of service based management architecture

##### 6.8.1.1 FS\_eSBMA\_WoP#1

##### 6.8.1.2 FS\_eSBMA\_WoP#2

**S5-225467 pCR TR28.925 Add conclusion for issue #14**

*Type: pCR For: (not specified)  
 28.925 v0.7.0  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **revised to S5-225800**.

**S5-225800 pCR TR28.925 Add conclusion for issue #14**

*Type: pCR For: -  
 28.925 v0.7.0  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-225467)

**Decision:** The document was **approved**.

**S5-225479 Add key issue on requirements and use cases to support multiple MnS discovery service producers**

*Type: pCR For: Approval  
 28.925 v0.7.0  
 Source: China Unicom*

**Decision:** The document was **noted**.

**S5-225507 Update of the TR 28.925, due to the study being moved to Rel-18 and new proposals.**

*Type: pCR For: (not specified)  
 28.925 v0.7.0  
 Source: Ericsson*

**Decision:** The document was **revised to S5-225799**.

**S5-225799 Update of the TR 28.925, due to the study being moved to Rel-18 and new proposals.**

*Type: pCR For: -  
 28.925 v0.7.0  
 Source: Ericsson*

(Replaces S5-225507)

**Decision:** The document was **approved**.

##### 6.8.1.3 FS\_eSBMA\_WoP#3

##### 6.8.1.4 FS\_eSBMA\_WoP#4

##### 6.8.1.5 FS\_eSBMA\_WoP#5

**S5-225466 pCR TR28.925 Add description on MnFs to be managed**

*Type: pCR For: (not specified)  
 28.925 v0.6.0  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-224161)

**Decision:** The document was **revised to S5-225670**.

**S5-225670 pCR TR28.925 Add description on MnFs to be managed**

*Type: pCR For: -  
 28.925 v0.6.0  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-225466)

**Decision:** The document was **approved**.

##### 6.8.1.6 FS\_eSBMA\_WoP#6

#### 6.8.2 Study on Basic SBMA enabler enhancements

##### 6.8.2.1 FS\_eSBMAe\_WoP#1

##### 6.8.2.2 FS\_eSBMAe\_WoP#2

##### 6.8.2.3 FS\_eSBMAe\_WoP#3

**S5-225178 pCR 28.831 Add Key Issue for attribute addition and deletion**

*Type: pCR For: Agreement  
 28.831 v0.3.0  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **noted**.

**S5-225397 Rel-18 pCR TR 28.831 Add a new key issue for Adding mechanism to advertise supported NRM capabilities by the MnS Producer**

*Type: pCR For: Approval  
 28.831 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**S5-225468 pCR 28.831 Add key issue: Definition of createMOI**

*Type: pCR For: Approval  
 28.831 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225801**.

**S5-225801 pCR 28.831 Add key issue: Definition of createMOI**

*Type: pCR For: Approval  
 28.831 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225468)

**Decision:** The document was **approved**.

**S5-225469 pCR 28.831 Add key issue: Definition of getMOIAttributes**

*Type: pCR For: Approval  
 28.831 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**S5-225498 Rel-18 pCR TR 28.831 Add a potential requirements for KI to Add mechanism to advertise supported NRM capabilities by the MnS Producer**

*Type: pCR For: Approval  
 28.831 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

**S5-225499 Rel-18 pCR TR 28.831 Add a potential solution for KI to Add mechanism to advertise supported NRM capabilities by the MnS Producer**

*Type: pCR For: Approval  
 28.831 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

**S5-225541 Add a potential solution for KI to Add mechanism to advertise supported NRM capabilities by the MnS Producer**

*Type: pCR For: Approval  
 28.831 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **noted**.

##### 6.8.2.4 FS\_eSBMAe\_WoP#4

**S5-225472 pCR 28.831 Modify potential requirements for key issue Targeted notification subscription**

*Type: pCR For: Approval  
 28.831 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225806**.

**S5-225806 pCR 28.831 Modify potential requirements for key issue Targeted notification subscription**

*Type: pCR For: Approval  
 28.831 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225472)

**Decision:** The document was **approved**.

**S5-225473 pCR 28.831 Add XPath as potential solution**

*Type: pCR For: Approval  
 28.831 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225805**.

**S5-225805 pCR 28.831 Add XPath as potential solution**

*Type: pCR For: Approval  
 28.831 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225473)

**Decision:** The document was **approved**.

**S5-225475 pCR 28.831 Add special XPath considerations for JSON and YANG**

*Type: pCR For: Approval  
 28.831 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225804**.

**S5-225804 pCR 28.831 Add special XPath considerations for JSON and YANG**

*Type: pCR For: Approval  
 28.831 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225475)

**Decision:** The document was **approved**.

**S5-225476 pCR 28.831 Add simple XPath profiles**

*Type: pCR For: Approval  
 28.831 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-225803**.

**S5-225803 pCR 28.831 Add simple XPath profiles**

*Type: pCR For: Approval  
 28.831 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-225476)

**Decision:** The document was **approved**.

##### 6.8.2.5 FS\_eSBMAe\_WoP#5

##### 6.8.2.6 FS\_eSBMAe\_WoP#6

##### 6.8.2.7 FS\_eSBMAe\_WoP#7

##### 6.8.2.8 FS\_eSBMAe\_WoP#8

##### 6.8.2.9 FS\_eSBMAe\_WoP#9

##### 6.8.2.10 FS\_eSBMAe\_WoP#10

#### 6.8.3 Study on Management Aspects of URLLC

##### 6.8.3.1 FS\_URLLC\_Mgt\_WoP#1

##### 6.8.3.2 FS\_URLLC\_Mgt\_WoP#2

**S5-225418 pCR TR28.832 Add Issue on URLLC features management of configuration**

*Type: pCR For: Approval  
 28.832 v0.2.0  
 Source: China Unicom*

**Decision:** The document was **noted**.

**S5-225423 pCR TR28.832 Add Solution for URLLC features management of configuration**

*Type: pCR For: Approval  
 28.832 v0.2.0  
 Source: China Unicom*

**Decision:** The document was **noted**.

##### 6.8.3.3 FS\_URLLC\_Mgt\_WoP#3

**S5-225419 pCR TR28.832 Add Issue on URLLC performance management on reliability**

*Type: pCR For: Approval  
 28.832 v0.2.0  
 Source: China Unicom, CATT*

**Decision:** The document was **revised to S5-225808**.

**S5-225808 pCR TR28.832 Add Issue on URLLC performance management on reliability**

*Type: pCR For: Approval  
 28.832 v0.2.0  
 Source: China Unicom, CATT*

(Replaces S5-225419)

**Decision:** The document was **approved**.

**S5-225461 pCR TR28.832 Add Sulotion for URLLC performance measurements related on reliability**

*Type: pCR For: Approval  
 28.832 v0.2.0  
 Source: China Unicom*

**Decision:** The document was **noted**.

**S5-225463 pCR TR28.832 Add solution for support for performance measurements related on URLLC resource load**

*Type: pCR For: Approval  
 28.832 v0.2.0  
 Source: China Unicom*

**Decision:** The document was **noted**.

##### 6.8.3.4 FS\_URLLC\_Mgt\_WoP#4

#### 6.8.4 Study on Management Aspect of 5GLAN

##### 6.8.4.1 FS\_5GLAN\_Mgt\_WoP#1

##### 6.8.4.2 FS\_5GLAN\_Mgt\_WoP#2

##### 6.8.4.3 FS\_5GLAN\_Mgt\_WoP#3

**S5-225246 pCR TR 28.833 add potential solution of SMF configuration**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225810**.

**S5-225810 pCR TR 28.833 add potential solution of SMF configuration**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: Huawei*

(Replaces S5-225246)

**Decision:** The document was **approved**.

**S5-225247 pCR TR 28.833 add potential solution of performance meassurements for SMF and UPF**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225462 pCR TR28.832 Add Issue on support for performance management related on URLLC resource load**

*Type: pCR For: Approval  
 28.832 v0.2.0  
 Source: China Unicom, CATT*

**Decision:** The document was **revised to S5-225807**.

**S5-225807 pCR TR28.832 Add Issue on support for performance management related on URLLC resource load**

*Type: pCR For: Approval  
 28.832 v0.2.0  
 Source: China Unicom, CATT*

(Replaces S5-225462)

**Decision:** The document was **approved**.

**S5-225524 pCR TR 28.833 Add detailed description for topic #3**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **merged**.

**S5-225525 pCR TR 28.833 Add potential solutions for topic 3**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-225809**.

**S5-225809 pCR TR 28.833 Add potential solutions for topic 3**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-225525)

**Decision:** The document was **approved**.

**S5-225526 pCR TR 28.833 Add Annex A of UML code of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-225877**.

**S5-225877 pCR TR 28.833 Add Annex A of UML code of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-225526)

**Decision:** The document was **approved**.

**S5-225527 pCR TR 28.833 Add evaluation and conclusion for Topic 1 of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-225876**.

**S5-225876 pCR TR 28.833 Add evaluation and conclusion for Topic 1 of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-225527)

**Decision:** The document was **approved**.

**S5-225528 pCR TR 28.833 Add general description of solution 1 of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **noted**.

**S5-225529 pCR TR 28.833 Add general description of solution 2 of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **noted**.

**S5-225530 pCR TR 28.833 Add procedure of management of the PDU session of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-225875**.

**S5-225875 pCR TR 28.833 Add procedure of management of the PDU session of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-225530)

**Decision:** The document was **approved**.

**S5-225531 pCR TR 28.833 Add evaluation and conclusion for Topic 2 of FS\_5GLAN\_Mgt of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **noted**.

##### 6.8.4.4 FS\_5GLAN\_Mgt\_WoP#4

**S5-225373 pCR TR 28.833 Add key issue for topic 4**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-225811**.

**S5-225811 pCR TR 28.833 Add key issue for topic 4**

*Type: pCR For: Approval  
 28.833 v0.3.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-225373)

**Decision:** The document was **approved**.

#### 6.8.5 Study on Management of Cloud Native Virtualized Network Functions

##### 6.8.5.1 FS\_MCVNF\_WoP#1

**S5-225154 pCR 28.834 Add concepts and background**

*Type: pCR For: (not specified)  
 28.834 v0.2.0  
 Source: Microsoft, China Mobile*

**Decision:** The document was **revised to S5-225814**.

**S5-225814 pCR 28.834 Add concepts and background**

*Type: pCR For: -  
 28.834 v0.2.0  
 Source: Microsoft, China Mobile*

(Replaces S5-225154)

**Decision:** The document was **approved**.

**S5-225241 pCR 28.834 Add issues for use case 1**

*Type: pCR For: Approval  
 28.834 v0.2.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225242 pCR 28.834 Add issues for use case 2**

*Type: pCR For: Approval  
 28.834 v0.2.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225243 pCR 28.834 Add issues for use case 3**

*Type: pCR For: Approval  
 28.834 v0.2.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225244 pCR 28.834 Add issues for use case 4**

*Type: pCR For: Approval  
 28.834 v0.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225878**.

**S5-225878 pCR 28.834 Add issues for use case 4**

*Type: pCR For: Approval  
 28.834 v0.2.0  
 Source: Huawei*

(Replaces S5-225244)

**Decision:** The document was **approved**.

**S5-225245 pCR 28.834 Add use case for NF creation as cloud native VNF**

*Type: pCR For: Approval  
 28.834 v0.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225813**.

**S5-225813 pCR 28.834 Add use case for NF creation as cloud native VNF**

*Type: pCR For: Approval  
 28.834 v0.2.0  
 Source: Huawei*

(Replaces S5-225245)

**Decision:** The document was **approved**.

**S5-225370 pCR 28.834 Add Use Case on performance management of the cloud-native VNF using generic OAM functions**

*Type: pCR For: Approval  
 28.834 v0.2.0  
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **noted**.

**S5-225371 pCR 28.834 Add Use Case on software modification of the cloud-native VNF**

*Type: pCR For: Approval  
 28.834 v0.2.0  
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **revised to S5-225812**.

**S5-225812 pCR 28.834 Add Use Case on software modification of the cloud-native VNF**

*Type: pCR For: Approval  
 28.834 v0.2.0  
 Source: AsiaInfo Technologies Inc*

(Replaces S5-225371)

**Decision:** The document was **approved**.

**S5-225497 pCR 28.834 Add Use Case on Upgrade management of the cloud-native VNF using generic OAM functions**

*Type: pCR For: Approval  
 28.834 v0.2.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **noted**.

##### 6.8.5.2 FS\_MCVNF\_WoP#2

##### 6.8.5.3 FS\_MCVNF\_WoP#3

**S5-225155 DP on solution timeline for generic OAM functions requirements**

*Type: discussion For: (not specified)  
 28.834 v..  
 Source: Microsoft Europe SARL*

**Decision:** The document was **noted**.

#### 6.8.6 Study on Management Aspects of 5G MOCN Network Sharing Phase2

##### 6.8.6.1 FS\_MANS\_ph2\_WoP#1

**S5-225409 pCR TR 28.835 Update potential solution for management requirement between MOP-NM and MOP-SR-DM**

*Type: pCR For: Approval  
 28.835 v0.3.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-225817**.

**S5-225817 pCR TR 28.835 Update potential solution for management requirement between MOP-NM and MOP-SR-DM**

*Type: pCR For: Approval  
 28.835 v0.3.0  
 Source: China Unicom*

(Replaces S5-225409)

**Decision:** The document was **approved**.

**S5-225410 pCR TR 28.835 Add key issue PLMN-related attribute requirement for operator specific IOC**

*Type: pCR For: Approval  
 28.835 v0.3.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-225816**.

**S5-225816 pCR TR 28.835 Add key issue PLMN-related attribute requirement for operator specific IOC**

*Type: pCR For: Approval  
 28.835 v0.3.0  
 Source: China Unicom*

(Replaces S5-225410)

**Decision:** The document was **approved**.

**S5-225412 Add potential solution for PLMN-related attribute requirement for operator specific IOC**

*Type: pCR For: Approval  
 28.835 v0.3.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-225815**.

**S5-225815 Add potential solution for PLMN-related attribute requirement for operator specific IOC**

*Type: pCR For: Approval  
 28.835 v0.3.0  
 Source: China Unicom*

(Replaces S5-225412)

**Decision:** The document was **approved**.

**S5-225591 pCR TR 28.835 Add issue and potential solution for collection of operator specific performance measurements**

*Type: pCR For: Approval  
 28.835 v0.3.0  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

##### 6.8.6.2 FS\_MANS\_ph2\_WoP#2

**S5-225413 pCR TR 28.835 Add potential solutions for performance measurements without PLMN ID at NRcellCU**

*Type: pCR For: Approval  
 28.835 v0.3.0  
 Source: China Unicom, ZTE*

**Decision:** The document was **approved**.

##### 6.8.6.3 FS\_MANS\_ph2\_WoP#3

#### 6.8.7 Study on Management of Trace/MDT phase 2

##### 6.8.7.1 FS\_5GMDT\_Ph2\_WoP#1

**S5-225320 Rel-18 pCR 28.837 Structuring of TraceJob attributes**

*Type: pCR For: Approval  
 28.837 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **approved**.

##### 6.8.7.2 FS\_5GMDT\_Ph2\_WoP#2

##### 6.8.7.3 FS\_5GMDT\_Ph2\_WoP#3

**S5-225078 pCR TR28.837 Solution to Report Amount IE Misalignment**

*Type: pCR For: Approval  
 28.837 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **approved**.

**S5-225079 Discussion\_Configurability of Report Amount IE**

*Type: discussion For: Endorsement  
 28.837 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **approved**.

##### 6.8.7.4 FS\_5GMDT\_Ph2\_WoP#4

##### 6.8.7.5 FS\_5GMDT\_Ph2\_WoP#5

##### 6.8.7.6 FS\_5GMDT\_Ph2\_WoP#6

##### 6.8.7.7 FS\_5GMDT\_Ph2\_WoP#7

##### 6.8.7.8 FS\_5GMDT\_Ph2\_WoP#8

#### 6.8.8 Study on Management Aspects of IoT NTN Enhancements

##### 6.8.8.1 FS\_IOT\_NTN\_WoP#1

**S5-225385 TR 28.825 update TR structure**

*Type: pCR For: Approval  
 28.841 v0.1.0  
 Source: China Unicom*

**Decision:** The document was **approved**.

##### 6.8.8.2 FS\_IOT\_NTN\_WoP#2

**S5-225405 pCR 28.841 add scenarios for IOT networks with an integrated satellite componen**

*Type: pCR For: Approval  
 28.841 v0.1.0  
 Source: China Unicom*

**Decision:** The document was **approved**.

##### 6.8.8.3 FS\_IOT\_NTN\_WoP#3

### 6.9 Support of New Services

#### 6.9.1 Study on enhancement of management of non-public networks

##### 6.9.1.1 FS\_OAM\_eNPN\_WoP#1

**S5-225157 Presentation of TR 28.907 for SA Information**

*Type: TS or TR cover For: Approval  
 28.907 v..  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225158 pCR 28.907 Rapporteur proposal**

*Type: pCR For: Approval  
 28.907 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225860**.

**S5-225860 pCR 28.907 Rapporteur proposal**

*Type: pCR For: Approval  
 28.907 v0.3.0  
 Source: Huawei*

(Replaces S5-225158)

**Decision:** The document was **approved**.

**S5-225159 pCR 28.907 Add introduction of TR**

*Type: pCR For: Approval  
 28.907 v0.3.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225160 pCR 28.907 Update clause 4.1**

*Type: pCR For: Approval  
 28.907 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225859**.

**S5-225859 pCR 28.907 Update clause 4.1**

*Type: pCR For: Approval  
 28.907 v0.3.0  
 Source: Huawei*

(Replaces S5-225160)

**Decision:** The document was **approved**.

**S5-225161 pCR 28.907 Add key issue for network capability exposure**

*Type: pCR For: Approval  
 28.907 v0.3.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225162 pCR 28.907 Potential solution for satisfying resource isolation demand for Smart Grid Utilities**

*Type: pCR For: Approval  
 28.907 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225818**.

**S5-225818 pCR 28.907 Potential solution for satisfying resource isolation demand for Smart Grid Utilities**

*Type: pCR For: Approval  
 28.907 v0.3.0  
 Source: Huawei*

(Replaces S5-225162)

**Decision:** The document was **approved**.

##### 6.9.1.2 FS\_OAM\_eNPN\_WoP#2

##### 6.9.1.3 FS\_OAM\_eNPN\_WoP#3

##### 6.9.1.4 FS\_OAM\_eNPN\_WoP#4

#### 6.9.2 Study on new aspects of EE for 5G networks Phase 2

##### 6.9.2.1 FS\_EE5G\_Ph2\_WoP#1

**S5-225255 pCR TR 28.913 New Issue – Roles involved in EE KPI building**

*Type: pCR For: Approval  
 28.913 v0.2.1  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-225863**.

**S5-225863 pCR TR 28.913 New Issue – Roles involved in EE KPI building**

*Type: pCR For: Approval  
 28.913 v0.2.1  
 Source: Huawei, Deutsche Telekom*

(Replaces S5-225255)

**Decision:** The document was **approved**.

**S5-225551 pCR TR 28.913 Potential solution No.2, conclusion and recommendation for KI #1**

*Type: pCR For: Approval  
 28.913 v0.2.1  
 Source: Huawei Technologies France*

**Decision:** The document was **revised to S5-225862**.

**S5-225862 pCR TR 28.913 Potential solution No.2, conclusion and recommendation for KI #1**

*Type: pCR For: Approval  
 28.913 v0.2.1  
 Source: Huawei Technologies France*

(Replaces S5-225551)

**Decision:** The document was **approved**.

**S5-225556 Rel-18 pCR 28.913 – New Key Issue for Energy Efficiency of a URLLC network slice based on reliability**

*Type: pCR For: Approval  
 28.913 v0.2.1  
 Source: Samsung Electronics Nordic AB*

**Decision:** The document was **revised to S5-225861**.

**S5-225861 Rel-18 pCR 28.913 – New Key Issue for Energy Efficiency of a URLLC network slice based on reliability**

*Type: pCR For: Approval  
 28.913 v0.2.1  
 Source: Samsung Electronics Nordic AB*

(Replaces S5-225556)

**Decision:** The document was **approved**.

##### 6.9.2.2 FS\_EE5G\_Ph2\_WoP#2

**S5-225256 pCR 28.913 Add new Issue on digital sobriety**

*Type: pCR For: Approval  
 28.913 v0.2.1  
 Source: Huawei Technologies France*

**Decision:** The document was **noted**.

**S5-225258 pCR TR 28.913 New Key Issue-RAN energy saving when using backup batteries**

*Type: pCR For: Approval  
 28.913 v0.2.1  
 Source: Huawei Technologies France*

**Decision:** The document was **noted**.

#### 6.9.3 Study on Network and Service Operations for Energy Utilities

##### 6.9.3.1 FS\_NSOEU\_WoP#1

##### 6.9.3.2 FS\_NSOEU\_WoP#2

##### 6.9.3.3 FS\_NSOEU\_WoP#3

##### 6.9.3.4 FS\_NSOEU\_WoP#4

**S5-225540 Rel-18 pCR 28.829 Add new Key Issue and Solution**

*Type: pCR For: Approval  
 28.829 v0.3.0  
 Source: Samsung Electronics Nordic AB*

**Decision:** The document was **revised to S5-225865**.

**S5-225865 Rel-18 pCR 28.829 Add new Key Issue and Solution**

*Type: pCR For: Approval  
 28.829 v0.3.0  
 Source: Samsung Electronics Nordic AB*

(Replaces S5-225540)

**Discussion:**

Though S5-225865 was approved as the basis for further work, some comments came late and will be addressed at the next meeting:

From Vodafone:

Regarding this paragraph:

a) Latency between the DSO’s device and the DSO’s server the device is communicating with[an average for the third party's network traffic];

The latency between the DSO’s device and the DSO’s server is known by the DSO, as is the DSO the actor that can measure it accurately, so it should be actually the other way around, the DSO should provide this info to the MNO to raise a problem if the latency is too high.

[Samsung\_AK-0822]: That is an existing text from TR and not a change proposed as part of this pCR. But I agree with you on this particular aspect and in our view there seem to be some other changes that are required (not planned for this meeting) in that section of TR. So I suggest we shall do such modifications for entire section in next meeting after more careful examination. What you think ?

Agree on having a careful review for next meeting.

**Decision:** The document was **approved**.

##### 6.9.3.5 FS\_NSOEU\_WoP#5

##### 6.9.3.6 FS\_NSOEU\_WoP#6

**S5-225407 pCR TR 28.829 Clean up**

*Type: pCR For: Approval  
 28.829 v0.3.0  
 Source: Samsung, EUTC, EDF*

**Abstract:**

This pCR removes some editors notes and makes some small changes to justify these changes.

**Decision:** The document was **revised to S5-225868**.

**S5-225868 pCR TR 28.829 Clean up**

*Type: pCR For: Approval  
 28.829 v0.3.0  
 Source: Samsung, EUTC, EDF*

(Replaces S5-225407)

**Decision:** The document was **approved**.

**S5-225408 pCR TR 28.829 Business use case - DSO Provides an Incident Report**

*Type: pCR For: Approval  
 28.829 v0.3.0  
 Source: Samsung, EUTC, BMWK, Vodafone, Telefonica, EDF*

**Abstract:**

In this pCR a use case is provided concerning reporting of communication service incidents by the customer (DSO) to the MNO.

**Decision:** The document was **revised to S5-225867**.

**S5-225867 pCR TR 28.829 Business use case - DSO Provides an Incident Report**

*Type: pCR For: Approval  
 28.829 v0.3.0  
 Source: Samsung, EUTC, BMWK, Vodafone, Telefonica, EDF*

(Replaces S5-225408)

**Decision:** The document was **approved**.

**S5-225411 pCR TR 28.829 Business use case - DSO Provides Performance Reporting indicating Problems**

*Type: pCR For: Approval  
 28.829 v0.3.0  
 Source: Samsung, EUTC, BMWK, Vodafone, Telefonica, EDF*

**Abstract:**

In this pCR the a use case is provided for DSO to report to an MNO regarding ongoing measured performance. This is useful to identify problems in service - e.g. diminishing capacity, periodic or increasing intervals of reduced performance, etc.

**Decision:** The document was **revised to S5-225866**.

**S5-225866 pCR TR 28.829 Business use case - DSO Provides Performance Reporting indicating Problems**

*Type: pCR For: Approval  
 28.829 v0.3.0  
 Source: Samsung, EUTC, BMWK, Vodafone, Telefonica, EDF*

(Replaces S5-225411)

**Decision:** The document was **approved**.

##### 6.9.3.7 FS\_NSOEU\_WoP#7

##### 6.9.3.8 FS\_NSOEU\_WoP#8

##### 6.9.3.9 FS\_NSOEU\_WoP#9

##### 6.9.3.10 FS\_NSOEU\_WoP#10

##### 6.9.3.11 FS\_NSOEU\_WoP#11

##### 6.9.3.12 FS\_NSOEU\_WoP#12

##### 6.9.3.13 FS\_NSOEU\_WoP#13

#### 6.9.4 Study on Key Quality Indicators (KQIs)for 5G service experience

##### 6.9.4.1 FS\_KQI\_5G\_WoP#1

**S5-225179 pCR TR 28.863 Key Issue # 1: add a description of KQI in ETSI GS F5G 005**

*Type: pCR For: Approval  
 28.863 v0.2.0  
 Source: AsiaInfo,Huawei*

**Decision:** The document was **revised to S5-225869**.

**S5-225869 pCR TR 28.863 Key Issue # 1: add a description of KQI in ETSI GS F5G 005**

*Type: pCR For: Approval  
 28.863 v0.2.0  
 Source: AsiaInfo,Huawei*

(Replaces S5-225179)

**Decision:** The document was **approved**.

**S5-225464 pCR TR 28.863 Overview - 5G KQI management**

*Type: pCR For: Approval  
 28.863 v0.2.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225470 pCR TR 28.863 Issue#1 Background description of KQI definition**

*Type: pCR For: Approval  
 28.863 v0.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225778**.

**S5-225778 pCR TR 28.863 Issue#1 Background description of KQI definition**

*Type: pCR For: Approval  
 28.863 v0.2.0  
 Source: Huawei*

(Replaces S5-225470)

**Decision:** The document was **approved**.

**S5-225471 pCR TR 28.863 Issue #1 Difference of KPI, KQI and QoE**

*Type: pCR For: Approval  
 28.863 v0.2.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225474 pCR TR 28.863 Issue #3 Video uploading description**

*Type: pCR For: Approval  
 28.863 v0.2.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225477 pCR TR 28.863 Issue#4 Remote controlling description**

*Type: pCR For: Approval  
 28.863 v0.2.0  
 Source: Huawei*

**Decision:** The document was **noted**.

##### 6.9.4.2 FS\_KQI\_5G\_WoP#2

##### 6.9.4.3 FS\_KQI\_5G\_WoP#3

##### 6.9.4.4 FS\_KQI\_5G\_WoP#4

**S5-225181 pCR TR 28.863 Key Issue # 5: KQIs for cloud VR- the background survey of the Cloud VR**

*Type: pCR For: Approval  
 28.863 v0.2.0  
 Source: AsiaInfo,Huawei*

**Decision:** The document was **withdrawn**.

**S5-225182 pCR TR 28.863 Key Issue # 5: KQIs for cloud VR- use case of the Cloud VR**

*Type: pCR For: Approval  
 28.863 v0.2.0  
 Source: AsiaInfo,Huawei*

**Decision:** The document was **noted**.

**S5-225183 pCR TR 28.863 Key Issue #5 KQIs for Cloud VR- the solution of KQIs for cloud VR**

*Type: pCR For: Approval  
 28.863 v0.2.0  
 Source: AsiaInfo,Huawei*

**Decision:** The document was **noted**.

**S5-225398 pCR TR 28.863 Key Issue # 5: KQIs for cloud VR- the background survey of the Cloud VR**

*Type: pCR For: Approval  
 28.863 v0.2.0  
 Source: Asiainfo, Huawei*

**Decision:** The document was **noted**.

##### 6.9.4.5 FS\_KQI\_5G\_WoP#5

#### 6.9.5 Study on Deterministic Communication Service Assurance

##### 6.9.5.1 FS\_DCSA\_WoP#1

##### 6.9.5.2 FS\_DCSA\_WoP#2

**S5-225480 pCR 28.865 Add solution of service deployment related to DCSA**

*Type: pCR For: Approval  
 28.865 v0.3.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225481 pCR 28.865 Add solultion of service requirement modeling**

*Type: pCR For: Approval  
 28.865 v0.3.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225482 pCR 28.865 Add solultion of network preparation**

*Type: pCR For: Approval  
 28.865 v0.3.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225483 pCR 28.865 Add solution of service and network analysis**

*Type: pCR For: Approval  
 28.865 v0.3.0  
 Source: Huawei*

**Decision:** The document was **noted**.

##### 6.9.5.3 FS\_DCSA\_WoP#3

##### 6.9.5.4 FS\_DCSA\_WoP#4

**S5-225484 pCR 28.865 Update solution of service assurance for video monitoring**

*Type: pCR For: Approval  
 28.865 v0.3.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225485 pCR 28.865 Update solution of service assurance for PLC control**

*Type: pCR For: Approval  
 28.865 v0.3.0  
 Source: Huawei*

**Decision:** The document was **noted**.

##### 6.9.5.5 FS\_DCSA\_WoP#5

#### 6.9.6 Study on management aspects of network slice management capability exposure

##### 6.9.6.1 FS\_NSCE\_WoP#1

**S5-225248 pCR 28.824 Cleanup of exposure without going through BSS**

*Type: pCR For: Approval  
 28.824 v0.8.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225249 pCR 28.824 Removal of unused interfaces in alternative 3**

*Type: pCR For: Approval  
 28.824 v0.8.0  
 Source: Huawei*

**Decision:** The document was **approved**.

##### 6.9.6.2 FS\_NSCE\_WoP#2

##### 6.9.6.3 FS\_NSCE\_WoP#3

**S5-225163 pCR 28.824 Concepts of simplification, filtering and abstration in exposure governance**

*Type: pCR For: Approval  
 28.824 v0.8.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225164 pCR 28.824 Possible solutions for EGMF implementing CAPIF functional entities**

*Type: pCR For: Approval  
 28.824 v0.8.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225215 DP on relationship with CAMARA and related definition**

*Type: pCR For: Endorsement  
 28.824 v0.8.0  
 Source: Alibaba Group*

**Decision:** The document was **noted**.

**S5-225216 Rephrase or replace eMnS with exposed MnS**

*Type: pCR For: Approval  
 28.824 v0.8.0  
 Source: Alibaba Group*

**Decision:** The document was **revised to S5-225870**.

**S5-225870 Rephrase or replace eMnS with exposed MnS**

*Type: pCR For: Approval  
 28.824 v0.8.0  
 Source: Alibaba Group*

(Replaces S5-225216)

**Decision:** The document was **approved**.

**S5-225217 Update of solution 7.9**

*Type: pCR For: Approval  
 28.824 v0.8.0  
 Source: Alibaba Group*

**Decision:** The document was **revised to S5-225871**.

**S5-225871 Update of solution 7.9**

*Type: pCR For: Approval  
 28.824 v0.8.0  
 Source: Alibaba Group*

(Replaces S5-225217)

**Decision:** The document was **approved**.

**S5-225218 Update Solution for Network slice management capability**

*Type: pCR For: Approval  
 28.824 v0.8.0  
 Source: Alibaba Group*

**Decision:** The document was **noted**.

##### 6.9.6.4 FS\_NSCE\_WoP#4

#### 6.9.7 Study on alignment with ETSI MEC for Edge computing management

##### 6.9.7.1 FS\_MEC\_ECM\_WoP#1

**S5-225250 pCR 28.903 add potential solution for application LCM with MEC**

*Type: pCR For: Approval  
 28.903 v0.3.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225251 pCR 28.903 add potential solution for application LCM**

*Type: pCR For: Approval  
 28.903 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225873**.

**S5-225873 pCR 28.903 add potential solution for application LCM**

*Type: pCR For: Approval  
 28.903 v0.3.0  
 Source: Huawei*

(Replaces S5-225251)

**Decision:** The document was **approved**.

**S5-225252 pCR 28.903 add potential solution for EES and MEP collocation**

*Type: pCR For: Approval  
 28.903 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225872**.

**S5-225872 pCR 28.903 add potential solution for EES and MEP collocation**

*Type: pCR For: Approval  
 28.903 v0.3.0  
 Source: Huawei*

(Replaces S5-225252)

**Decision:** The document was **approved**.

##### 6.9.7.2 FS\_MEC\_ECM\_WoP#2

**S5-225253 pCR 28.903 add potential solution for resource reservation**

*Type: pCR For: Approval  
 28.903 v0.3.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225254 pCR 28.903 update background information for GSMA OPG**

*Type: pCR For: Approval  
 28.903 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225874**.

**S5-225874 pCR 28.903 update background information for GSMA OPG**

*Type: pCR For: Approval  
 28.903 v0.3.0  
 Source: Huawei*

(Replaces S5-225254)

**Decision:** The document was **approved**.

### 6.10 Latest draft TS/TR email approvals

**S5-225655 Latest draft TR 28.909**

*Type: other For: Approval  
 28.909 v..  
 Source: China Mobile*

**Decision:** The document was **withdrawn**.

**S5-225656 Latest draft TR 28.910**

*Type: draft TR For: Approval  
 28.910 v0.3.0  
 Source: China Mobile*

**Decision:** The document was **approved**.

**S5-225657 Latest draft TR 28.912**

*Type: draft TR For: Approval  
 28.912 v0.4.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225659 Latest draft TR 28.908**

*Type: draft TR For: Approval  
 28.908 v0.4.0  
 Source: Intel*

**Decision:** The document was **approved**.

**S5-225660 Latest draft TR 28.864**

*Type: draft TR For: Approval  
 28.864 v0.4.0  
 Source: China telecom*

**Decision:** The document was **approved**.

**S5-225661 Latest draft TR 28.830**

*Type: draft TR For: discussion  
 28.830 v0.3.0  
 Source: China Mobile*

**Decision:** The document was **approved**.

**S5-225663 Latest draft TR 28.925**

*Type: draft TR For: Approval  
 28.925 v0.8.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225665 Latest draft TR 28.832**

*Type: draft TR For: Approval  
 28.832 v0.3.0  
 Source: China unicom*

**Decision:** The document was **approved**.

**S5-225666 Latest draft TR 28.833**

*Type: draft TR For: Approval  
 28.833 v0.4.0  
 Source: China Mobile*

**Decision:** The document was **approved**.

**S5-225667 Latest draft TR 28.834**

*Type: draft TR For: Approval  
 28.834 v0.3.0  
 Source: China Mobile*

**Decision:** The document was **approved**.

**S5-225668 Latest draft TR 28.835**

*Type: draft TR For: Approval  
 28.835 v0.4.0  
 Source: China Unicom*

**Decision:** The document was **approved**.

**S5-225669 Latest draft TR 28.837**

*Type: draft TR For: discussion  
 28.837 v0.4.0  
 Source: Nokia*

**Decision:** The document was **approved**.

**S5-225671 Latest draft TR 28.841**

*Type: draft TR For: Approval  
 28.841 v0.2.0  
 Source: China Unicom*

**Decision:** The document was **approved**.

**S5-225672 Latest draft TR 28.907**

*Type: draft TR For: Approval  
 28.907 v0.4.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225673 Latest draft TR 28.913**

*Type: draft TR For: Approval  
 28.913 v0.3.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225674 Latest draft TR 28.829**

*Type: draft TR For: Approval  
 28.829 v0.4.0  
 Source: Samsung*

**Decision:** The document was **approved**.

**S5-225675 Latest draft TR 28.863**

*Type: draft TR For: Approval  
 28.863 v0.3.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225676 Latest draft TR 28.865**

*Type: other For: Approval  
 Source: Huawei*

**Decision:** The document was **withdrawn**.

**S5-225677 Latest draft TR 28.824**

*Type: draft TR For: Approval  
 28.824 v0.9.0  
 Source: Alibaba*

**Decision:** The document was **approved**.

**S5-225678 Latest draft TR 28.903**

*Type: draft TR For: Approval  
 28.903 v0.4.0  
 Source: Huawei*

**Decision:** The document was **approved**.

## 7 Charging

### 7.1 Charging Plenary

**S5-225008 CH agenda and time plan**

*Type: agenda For: (not specified)  
 Source: WG vice Chair (Matrixx Software)*

**Decision:** The document was **revised to S5-225714**.

**S5-225714 CH agenda and time plan**

*Type: agenda For: -  
 Source: WG vice Chair (Matrixx Software)*

(Replaces S5-225008)

**Decision:** The document was **noted**.

**S5-225009 Charging exec report**

*Type: report For: (not specified)  
 Source: WG vice Chair (Matrixx Software)*

**Decision:** The document was **noted**.

**S5-225016 Resubmitted Reply LS on Enhancement on Charging Identifier Uniqueness Mechanism**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C3-223669*

**Decision:** The document was **replied to in S5-225761**.

**S5-225445 Reply to: Resubmitted Reply LS on Enhancement on Charging Identifier Uniqueness Mechanism**

*Type: LS out For: approval  
 to CT3,CT4  
 Source: Huawei*

**Decision:** The document was **revised to S5-225761**.

**S5-225761 Reply to: Resubmitted Reply LS on Enhancement on Charging Identifier Uniqueness Mechanism**

*Type: LS out For: approval  
 to CT3,CT4  
 Source: Huawei*

(Replaces S5-225445)

**Decision:** The document was **approved**.

**S5-225775 LS on Reference point allocation to support charging services**

*Type: LS out For: discussion  
 to SA2  
 Source: MATRIXX Software*

**Decision:** The document was **approved**.

### 7.2 New Charging Work Item proposals

### 7.3 Charging Maintenance and Rel-18 small Enhancements

**S5-225082 Rel-17 CR 32.291 Adding missing NodeFunctionality value for IMS**

*Type: CR For: Approval  
 32.291 v17.3.0 CR-0408 Cat: F (Rel-17)  
  
 Source: Amdocs Software Systems Ltd*

**Abstract:**

NodeFunctionality is missing a value to describe “IMS Node” as CHF Consumer

**Decision:** The document was **revised to S5-225741**.

**S5-225741 Rel-17 CR 32.291 Adding missing NodeFunctionality value for IMS**

*Type: CR For: Approval  
 32.291 v17.3.0 CR-0408 rev 1 Cat: F (Rel-17)  
  
 Source: Amdocs Software Systems Ltd, Ericsson*

(Replaces S5-225082)

**Decision:** The document was **agreed**.

**S5-225083 Rel-17 CR 32.291 Alignment between IMSNodeFunctionality description and YAML**

*Type: CR For: Approval  
 32.291 v17.3.0 CR-0409 Cat: F (Rel-17)  
  
 Source: Amdocs Software Systems Ltd*

**Abstract:**

IMSNodeFunctionality description includes only 3 enumerated values, whereas the corresponding YAML includes 12 different values. Need to align description and YAML

**Decision:** The document was **revised to S5-225742**.

**S5-225742 Rel-17 CR 32.291 Alignment between IMSNodeFunctionality description and YAML**

*Type: CR For: Approval  
 32.291 v17.3.0 CR-0409 rev 1 Cat: F (Rel-17)  
  
 Source: Amdocs Software Systems Ltd*

(Replaces S5-225083)

**Decision:** The document was **agreed**.

**S5-225084 Rel-17 CR 32.240 Introduction of Reference point representation for Converged Charging**

*Type: CR For: Approval  
 32.240 v17.6.0 CR-0444 Cat: F (Rel-17)  
  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-225774**.

**S5-225774 Rel-17 CR 32.240 Introduction of Reference point representation for Converged Charging**

*Type: CR For: Approval  
 32.240 v17.6.0 CR-0444 rev 1 Cat: F (Rel-17)  
  
 Source: MATRIXX Software,Ericsson*

(Replaces S5-225084)

**Decision:** The document was **agreed**.

**S5-225085 Rel-17 CR 32.260 Missing Operation Type E for Multiple Unit Usage**

*Type: CR For: Approval  
 32.260 v17.3.0 CR-0428 Cat: F (Rel-17)  
  
 Source: Amdocs Software Systems Ltd*

**Abstract:**

IMS Converged Charging supports IEC, PEC, ECUR and SCUR. However, the supported operation types is missing the operation E for Multiple Unit Usage in Charging Data Request for IMS Converged Charging

**Decision:** The document was **agreed**.

**S5-225211 Rel-17 CR 32.255 Correction on Home Provided Charging Id and Roaming Charging Profile**

*Type: CR For: Approval  
 32.255 v17.6.0 CR-0404 Cat: F (Rel-17)  
  
 Source: China Mobile M2M Company Ltd.*

**Decision:** The document was **revised to S5-225743**.

**S5-225743 Rel-17 CR 32.255 Correction on Home Provided Charging Id and Roaming Charging Profile**

*Type: CR For: Approval  
 32.255 v17.6.0 CR-0404 rev 1 Cat: F (Rel-17)  
  
 Source: China Mobile M2M Company Ltd.*

(Replaces S5-225211)

**Decision:** The document was **agreed**.

**S5-225259 Rel-16 CR 32.255 Correction of secondary RAT for EPC**

*Type: CR For: Agreement  
 32.255 v16.12.0 CR-0405 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-225260 Rel-17 CR 32.255 Correction of secondary RAT for EPC**

*Type: CR For: Agreement  
 32.255 v17.6.0 CR-0406 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-225261 Rel-16 CR 32.291 Correction of secondary RAT for EPC**

*Type: CR For: Agreement  
 32.291 v16.12.0 CR-0410 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-225262 Rel-17 CR 32.291 Correction of secondary RAT for EPC**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0411 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-225263 Rel-16 CR 32.255 Correction of IPv6 prefixes in PDU address**

*Type: CR For: Agreement  
 32.255 v16.12.0 CR-0407 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-225264 Rel-17 CR 32.255 Correction of IPv6 prefixes in PDU address**

*Type: CR For: Agreement  
 32.255 v17.6.0 CR-0408 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-225265 Rel-16 CR 32.291 Correction of IPv6 prefixes in PDU address**

*Type: CR For: Agreement  
 32.291 v16.12.0 CR-0412 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-225744**.

**S5-225744 Rel-16 CR 32.291 Correction of IPv6 prefixes in PDU address**

*Type: CR For: Agreement  
 32.291 v16.12.0 CR-0412 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Huawei*

(Replaces S5-225265)

**Decision:** The document was **agreed**.

**S5-225266 Rel-17 CR 32.291 Correction of IPv6 prefixes in PDU address**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0413 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-225745**.

**S5-225745 Rel-17 CR 32.291 Correction of IPv6 prefixes in PDU address**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0413 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM,Huawei*

(Replaces S5-225266)

**Decision:** The document was **agreed**.

**S5-225267 Rel-17 CR 32.274 Correcting session and charging identifiers**

*Type: CR For: Agreement  
 32.274 v17.1.0 CR-0087 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-223091)

**Decision:** The document was **revised to S5-225644**.

**S5-225644 Rel-17 CR 32.274 Correcting session and charging identifiers**

*Type: CR For: Agreement  
 32.274 v17.1.0 CR-0087 rev 2 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-225267)

**Decision:** The document was **agreed**.

**S5-225268 Rel-17 CR 32.254 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.254 v17.1.0 CR-0023 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-223094)

**Decision:** The document was **not pursued**.

**S5-225269 Rel-17 CR 32.291 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0391 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-223095)

**Decision:** The document was **not pursued**.

**S5-225270 Rel-17 CR 32.298 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.298 v17.3.0 CR-0896 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-223096)

**Decision:** The document was **not pursued**.

**S5-225271 Rel-17 CR 32.290 Correction of use of requested units at suspended**

*Type: CR For: Agreement  
 32.290 v17.5.0 CR-0183 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-225272 Rel-17 CR 32.291 Correction of use QMI in notify**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0414 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-225768**.

**S5-225768 Rel-17 CR 32.291 Correction of use QMI in notify**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0414 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-225272)

**Decision:** The document was **agreed**.

**S5-225273 Rel-17 CR 32.290 Correction of use QMI**

*Type: CR For: Agreement  
 32.290 v17.5.0 CR-0184 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-225274 Rel-17 CR 32.298 Correction ASN.1 check**

*Type: CR For: Agreement  
 32.298 v17.3.0 CR-0905 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-225738**.

**S5-225738 Rel-17 CR 32.298 Correction ASN.1 check**

*Type: CR For: Agreement  
 32.298 v17.3.0 CR-0905 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM,Huawei*

(Replaces S5-225274)

**Decision:** The document was **agreed**.

**S5-225275 Rel-17 CR 32.291 Correcting missing user location mapping to ASN.1**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0415 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-225646**.

**S5-225646 Rel-17 CR 32.291 Correcting missing user location mapping to ASN.1**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0415 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-225275)

**Decision:** The document was **agreed**.

**S5-225276 Rel-17 CR 32.291 Correcting missing CIoT indicators in yaml**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0416 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-225740**.

**S5-225740 Rel-17 CR 32.291 Correcting missing CIoT indicators in yaml**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0416 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-225276)

**Decision:** The document was **agreed**.

**S5-225277 Rel-17 CR 32.291 Correcting missing node functionality as IMS**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0417 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **merged**.

**S5-225278 Rel-17 CR 32.290 Correcting service level usage for trigger mechanism**

*Type: CR For: Agreement  
 32.290 v17.5.0 CR-0185 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-225279 Rel-17 CR 32.291 Correcting missing V-SMF**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0418 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **agreed**.

**S5-225280 Rel-17 CR 32.298 Correction missing V-SMF**

*Type: CR For: Agreement  
 32.298 v17.3.0 CR-0906 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-225760**.

**S5-225760 Rel-17 CR 32.298 Correction missing V-SMF**

*Type: CR For: Agreement  
 32.298 v17.3.0 CR-0906 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-225280)

**Decision:** The document was **agreed**.

**S5-225281 Rel-17 CR 32.298 Correction for undefined RAT type**

*Type: CR For: Agreement  
 32.298 v17.3.0 CR-0907 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-225282 Rel-17 CR 32.298 Correction for ATSSSCapability mapping**

*Type: CR For: Agreement  
 32.298 v17.3.0 CR-0908 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-225283 Rel-16 CR 32.298 Correction presence reporting in roaming QBC information**

*Type: CR For: Agreement  
 32.298 v16.11.0 CR-0909 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-225284 Rel-17 CR 32.298 Correction presence reporting in roaming QBC information**

*Type: CR For: Agreement  
 32.298 v17.3.0 CR-0910 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-225285 Rel-16 CR 32.291 Correction of DNN definition**

*Type: CR For: Agreement  
 32.291 v16.12.0 CR-0419 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-225286 Rel-17 CR 32.291 Correction of DNN definition**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0420 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **not pursued**.

**S5-225287 Rel-17 CR 32.240 Correction of IMS and SMSF in reference architecture**

*Type: CR For: Agreement  
 32.240 v17.6.0 CR-0445 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **merged**.

**S5-225440 Rel-17 CR 32.291 Correction on the IPv6 address OpenAPI**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0421 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **merged**.

**S5-225441 Rel-17 CR 32.291 Correction on the ProSe OpenAPI**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0422 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-225442 Rel-17 CR 32.298 Correction on the Charging Identifier Uniqueness**

*Type: CR For: Agreement  
 32.298 v17.3.0 CR-0911 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-225770**.

**S5-225770 Rel-17 CR 32.298 Correction on the Charging Identifier Uniqueness**

*Type: CR For: Agreement  
 32.298 v17.3.0 CR-0911 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-225442)

**Decision:** The document was **agreed**.

**S5-225443 Rel-17 CR 32.291 Correction on the Charging Identifier Uniqueness**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0423 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-225771**.

**S5-225771 Rel-17 CR 32.291 Correction on the Charging Identifier Uniqueness**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0423 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-225443)

**Decision:** The document was **agreed**.

**S5-225444 Rel-17 CR 32.255 Correction on the Charging Identifier Uniqueness**

*Type: CR For: Agreement  
 32.255 v17.6.0 CR-0409 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-225772**.

**S5-225772 Rel-17 CR 32.255 Correction on the Charging Identifier Uniqueness**

*Type: CR For: Agreement  
 32.255 v17.6.0 CR-0409 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-225444)

**Decision:** The document was **agreed**.

**S5-225446 Rel-17 CR 32.298 Correction on the 5G LAN VN management converged Charging**

*Type: CR For: Agreement  
 32.298 v17.3.0 CR-0912 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-225447 Rel-17 CR 32.291 Correction on the 5G LAN VN management converged Charging**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0424 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **not pursued**.

**S5-225448 Rel-17 CR 32.254 Correction on the 5G LAN VN management converged Charging**

*Type: CR For: Agreement  
 32.254 v17.1.0 CR-0024 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225449 Rel-17 CR 32.257 Correction on reference for the EAS Deployment**

*Type: CR For: Agreement  
 32.257 v17.0.1 CR-0001 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225450 Rel-17 CR 32.298 Correction on the EAS Deployment Requirements**

*Type: CR For: Agreement  
 32.298 v17.3.0 CR-0913 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225451 Rel-17 CR 32.291 Correction on the EASRequirements**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0425 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225452 Rel-17 CR 32.291 Correction on the mapping between EC and NEF**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0426 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225453 Rel-17 CR 32.257 Correction on the mapping between EC and NEF**

*Type: CR For: Agreement  
 32.257 v17.0.1 CR-0002 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225454 Rel-17 CR 32.257 Correction on the detailed message format for converged charging**

*Type: CR For: Agreement  
 32.257 v17.0.1 CR-0003 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225455 Rel-17 CR 32.291 Add the EAS ID for EC charging**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0427 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225456 Rel-17 CR 32.298 Add the EAS ID for EC charging**

*Type: CR For: Agreement  
 32.298 v17.3.0 CR-0914 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-225746**.

**S5-225746 Rel-17 CR 32.298 Add the EAS ID for EC charging**

*Type: CR For: Agreement  
 32.298 v17.3.0 CR-0914 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-225456)

**Decision:** The document was **agreed**.

**S5-225457 Rel-17 CR 32.297 Correction on the Symbols for the Edge Computing**

*Type: CR For: Agreement  
 32.297 v17.1.0 CR-0040 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225458 Rel-17 CR 32.298 Correction on the CHF CDR ASN.1 format**

*Type: CR For: Agreement  
 32.298 v17.3.0 CR-0915 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **merged**.

**S5-225510 Rel-17 CR 32.277 Editorial clean up**

*Type: CR For: Approval  
 32.277 v17.2.0 CR-0047 Cat: F (Rel-17)  
  
 Source: CATT*

**Decision:** The document was **revised to S5-225739**.

**S5-225739 Rel-17 CR 32.277 Editorial clean up**

*Type: CR For: Approval  
 32.277 v17.2.0 CR-0047 rev 1 Cat: F (Rel-17)  
  
 Source: CATT*

(Replaces S5-225510)

**Decision:** The document was **agreed**.

**S5-225511 Rel-17 CR 32.277 Remove editor note on 5G Direct Communication charging**

*Type: CR For: Approval  
 32.277 v17.2.0 CR-0048 Cat: F (Rel-17)  
  
 Source: CATT*

**Decision:** The document was **agreed**.

**S5-225512 Rel-17 CR 32.298 Correction on 5G ProSe charging information to CHF CDR**

*Type: CR For: Approval  
 32.298 v17.3.0 CR-0916 Cat: F (Rel-17)  
  
 Source: CATT*

**Decision:** The document was **revised to S5-225776**.

**S5-225776 Rel-17 CR 32.298 Correction on 5G ProSe charging information to CHF CDR**

*Type: CR For: Approval  
 32.298 v17.3.0 CR-0916 rev 1 Cat: F (Rel-17)  
  
 Source: CATT*

(Replaces S5-225512)

**Decision:** The document was **agreed**.

**S5-225731 Rel-16 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v16.12.0 CR-0428 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225732 Rel-17 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v17.3.0 CR-0429 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **agreed**.

**S5-225735 Discussion Paper on Charging ID Uniqueness**

*Type: discussion For: discussion  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225737 Rel-17 CR 32.277 Correction on the name of interface for usage information collection**

*Type: CR For: Agreement  
 32.277 v17.2.0 CR-0049 Cat: F (Rel-17)  
  
 Source: CATT*

**Decision:** The document was **agreed**.

### 7.4 Rel-18 Charging

#### 7.4.1 Multimedia Messaging Service Charging using service-based interface

**S5-225288 Rel-18 CR 32.290 Addition of MMS relay and server**

*Type: CR For: Agreement  
 32.290 v17.5.0 CR-0186 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-225720**.

**S5-225720 Rel-18 CR 32.290 Addition of MMS relay and server**

*Type: CR For: Agreement  
 32.290 v17.5.0 CR-0186 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-225288)

**Decision:** The document was **agreed**.

**S5-225289 Rel-18 CR 32.270 Addition of converged charging architecture**

*Type: CR For: Agreement  
 32.270 v17.0.0 CR-0032 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-225721**.

**S5-225721 Rel-18 CR 32.270 Addition of converged charging architecture**

*Type: CR For: Agreement  
 32.270 v17.0.0 CR-0032 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-225289)

**Decision:** The document was **agreed**.

**S5-225290 Rel-18 CR 32.270 Addition of converged charging scenarios**

*Type: CR For: Agreement  
 32.270 v17.0.0 CR-0033 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-225722**.

**S5-225722 Rel-18 CR 32.270 Addition of converged charging scenarios**

*Type: CR For: Agreement  
 32.270 v17.0.0 CR-0033 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-225290)

**Decision:** The document was **agreed**.

**S5-225291 Rel-18 CR 32.270 Addition of converged charging information**

*Type: CR For: Agreement  
 32.270 v17.0.0 CR-0034 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-225723**.

**S5-225723 Rel-18 CR 32.270 Addition of converged charging information**

*Type: CR For: Agreement  
 32.270 v17.0.0 CR-0034 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-225291)

**Decision:** The document was **agreed**.

**S5-225349 Rel-18 draftCR 32.240 Adding new consumer for MMS in Charging Architecture**

*Type: draftCR For: Approval  
 32.240 v17.6.0  
 Source: Amdocs Software Systems Ltd*

**Decision:** The document was **merged**.

**S5-225724 Rel-18 CR 32.240 Adding new consumer for MMS in Charging Architecture**

*Type: CR For: Approval  
 32.240 v17.6.0 CR-0446 Cat: B (Rel-18)  
  
 Source: Amdocs Software Systems Ltd,Ericsson LM, MATRIXX Software*

**Decision:** The document was **agreed**.

### 7.5 Charging studies

#### 7.5.1 Study on charging aspects for enhancements of Network Slicing Phase 2

**S5-225124 Rel-18 pCR 32.847 Solve Editor's Note on solution#1.1**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-225725**.

**S5-225725 Rel-18 pCR 32.847 Solve Editor's Note on solution#1.1**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

(Replaces S5-225124)

**Decision:** The document was **approved**.

**S5-225125 Rel-18 pCR 32.847 Solve Editors Notes on solutions#1.3**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-225755**.

**S5-225755 Rel-18 pCR 32.847 Solve Editors Notes on solutions#1.3**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

(Replaces S5-225125)

**Decision:** The document was **approved**.

**S5-225126 Rel-18 pCR 32.847 New NSACF (CTF) - NS quota management solution for Key issue#1**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-225728**.

**S5-225728 Rel-18 pCR 32.847 New NSACF (CTF) - NS quota management solution for Key issue#1**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

(Replaces S5-225126)

**Decision:** The document was **approved**.

**S5-225127 Rel-18 pCR 32.847 Evaluation and conclusion for Key issue#1**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-225762**.

**S5-225762 Rel-18 pCR 32.847 Evaluation and conclusion for Key issue#1**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

(Replaces S5-225127)

**Decision:** The document was **approved**.

**S5-225128 Rel-18 pCR 32.847 New NSACF (CTF) - NS quota management solution for Key issue#2**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-225763**.

**S5-225763 Rel-18 pCR 32.847 New NSACF (CTF) - NS quota management solution for Key issue#2**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

(Replaces S5-225128)

**Decision:** The document was **approved**.

**S5-225129 Rel-18 pCR 32.847 Solve Editor’s Note on clause 4.1**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-225727**.

**S5-225727 Rel-18 pCR 32.847 Solve Editor’s Note on clause 4.1**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

(Replaces S5-225129)

**Decision:** The document was **approved**.

**S5-225400 Rel-18 pCR 32.847 Evaluation and conclusion for Key issue#2**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-225736**.

**S5-225736 Rel-18 pCR 32.847 Evaluation and conclusion for Key issue#2**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

(Replaces S5-225400)

**Decision:** The document was **approved**.

**S5-225401 Rel-18 pCR 32.847 Solve Editors Notes on solutions#6.2**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-225726**.

**S5-225726 Rel-18 pCR 32.847 Solve Editors Notes on solutions#6.2**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

(Replaces S5-225401)

**Decision:** The document was **approved**.

**S5-225402 Rel-18 pCR 32.847 Remove Key issue#4**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

**Decision:** The document was **approved**.

**S5-225403 Rel-18 pCR 32.847 Convert the Key issue#9 into background**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-225651**.

**S5-225651 Rel-18 pCR 32.847 Convert the Key issue#9 into background**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

(Replaces S5-225403)

**Decision:** The document was **approved**.

**S5-225404 Rel-18 pCR 32.847 Clarify Potential requirements in Key issues#1 and #2**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

**Decision:** The document was **approved**.

**S5-225406 Rel-18 pCR 32.847 Solve Editors Note on Key Issue #5**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-225729**.

**S5-225729 Rel-18 pCR 32.847 Solve Editors Note on Key Issue #5**

*Type: pCR For: Agreement  
 32.847 v1.3.0  
 Source: MATRIXX Software*

(Replaces S5-225406)

**Decision:** The document was **approved**.

**S5-225715 Draft TR 32.847**

*Type: draft TR For: Approval  
 32.847 v1.4.0  
 Source: MATRIXX Software*

**Decision:** The document was **approved**.

#### 7.5.2 Study on Nchf charging services phase 2

**S5-225292 Rel-18 pCR 28.826 Adding solution in clause 5.1 using new trigger category**

*Type: pCR For: Approval  
 28.826 v0.6.0  
 Source: Ericsson LM*

**Decision:** The document was **noted**.

**S5-225293 Rel-18 pCR 28.826 Adding solution for non-blocking mode change using PCF**

*Type: pCR For: Approval  
 28.826 v0.6.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-225777**.

**S5-225777 Rel-18 pCR 28.826 Adding solution for non-blocking mode change using PCF**

*Type: pCR For: Approval  
 28.826 v0.6.0  
 Source: Ericsson LM*

(Replaces S5-225293)

**Decision:** The document was **approved**.

**S5-225294 Rel-18 pCR 28.826 Adding issue and solution to identifying non-blocking mode**

*Type: pCR For: Approval  
 28.826 v0.6.0  
 Source: Ericsson LM*

**Decision:** The document was **noted**.

**S5-225295 Rel-18 pCR 28.826 Adding use case and requirement for cancel failed session charging**

*Type: pCR For: Approval  
 28.826 v0.6.0  
 Source: Ericsson LM*

**Decision:** The document was **noted**.

**S5-225296 Rel-18 pCR 28.826 Adding solution for size of charging information**

*Type: pCR For: Approval  
 28.826 v0.6.0  
 Source: Ericsson LM*

**Decision:** The document was **noted**.

**S5-225297 Rel-18 pCR 28.826 Adding solution for documentation structure**

*Type: pCR For: Approval  
 28.826 v0.6.0  
 Source: Ericsson LM*

**Decision:** The document was **noted**.

**S5-225347 Rel-18 pCR 28.826 Adding a key issue and potential solutions for cancel failed event**

*Type: pCR For: Approval  
 28.826 v0.6.0  
 Source: Amdocs Software Systems Ltd*

**Decision:** The document was **noted**.

**S5-225348 Rel-18 pCR 28.826 Adding potential solution for locating cancel failed event**

*Type: pCR For: Approval  
 28.826 v0.6.0  
 Source: Amdocs Software Systems Ltd*

**Decision:** The document was **revised to S5-225754**.

**S5-225754 Rel-18 pCR 28.826 Adding potential solution for locating cancel failed event**

*Type: pCR For: Approval  
 28.826 v0.6.0  
 Source: Amdocs Software Systems Ltd*

(Replaces S5-225348)

**Decision:** The document was **approved**.

**S5-225424 Rel-18 pCR 28.826Addition of optimization on charging information accuracy**

*Type: pCR For: Agreement  
 28.826 v0.6.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225425 Rel-18 pCR 28.826 Addition of Real-rate charging**

*Type: pCR For: Agreement  
 28.826 v0.6.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225426 Rel-18 pCR 28.826 Addition of Threshold based re-authorization triggers optimization**

*Type: pCR For: Agreement  
 28.826 v0.6.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225427 Rel-18 pCR 28.826 Addition of Usage Data Report**

*Type: pCR For: Agreement  
 28.826 v0.6.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225716 Draft TR 28.826**

*Type: draft TR For: Approval  
 28.826 v0.7.0  
 Source: Ericsson*

**Decision:** The document was **approved**.

**S5-225733 Presentation of TR 28.826 for Information**

*Type: TS or TR cover For: Approval  
 28.826 v..  
 Source: Ericsson*

**Decision:** The document was **approved**.

#### 7.5.3 Study on 5G roaming charging architecture for wholesale and retail scenarios

**S5-225298 Rel-18 pCR 28.827 Mapping requirement and issue in clause 7.2**

*Type: pCR For: Approval  
 28.827 v1.3.0  
 Source: Ericsson, Huawei*

**Decision:** The document was **approved**.

**S5-225299 Rel-18 pCR 28.827 Adding solutions in clause 7.1 for VPLMN wholesale charging of HPLMN**

*Type: pCR For: Approval  
 28.827 v1.3.0  
 Source: Ericsson LM*

**Decision:** The document was **noted**.

**S5-225300 Rel-18 pCR 28.827 Adding solutions in clause 7.2 for trigger handling between visited and home CHF**

*Type: pCR For: Approval  
 28.827 v1.3.0  
 Source: Ericsson LM*

**Decision:** The document was **noted**.

**S5-225301 Rel-18 pCR 28.827 Adding use case in clause 7.4 where there are multiple additional actors**

*Type: pCR For: Approval  
 28.827 v1.3.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-225730**.

**S5-225730 Rel-18 pCR 28.827 Adding use case in clause 7.4 where there are multiple additional actors**

*Type: pCR For: Approval  
 28.827 v1.3.0  
 Source: Ericsson LM*

(Replaces S5-225301)

**Decision:** The document was **approved**.

**S5-225302 Rel-18 pCR 28.827 Adding use case in clause 7.5 for roaming where there are multiple additional actors**

*Type: pCR For: Approval  
 28.827 v1.3.0  
 Source: Ericsson LM*

**Decision:** The document was **noted**.

**S5-225303 Rel-18 pCR 28.827 Adding solution in clause 7.6 for UE reported reconciliation**

*Type: pCR For: Approval  
 28.827 v1.3.0  
 Source: Ericsson LM*

**Decision:** The document was **noted**.

**S5-225304 Rel-18 pCR 28.827 Adding solution in clause 7.6 for user reported reconciliation**

*Type: pCR For: Approval  
 28.827 v1.3.0  
 Source: Ericsson LM*

**Decision:** The document was **noted**.

**S5-225305 Rel-18 pCR 28.827 Update of business roles**

*Type: pCR For: Approval  
 28.827 v1.3.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-225734**.

**S5-225734 Rel-18 pCR 28.827 Update of business roles**

*Type: pCR For: Approval  
 28.827 v1.3.0  
 Source: Ericsson LM*

(Replaces S5-225305)

**Decision:** The document was **approved**.

**S5-225428 Rel-18 pCR 28.827 Add new solution for FBC negotiation**

*Type: pCR For: Agreement  
 28.827 v1.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225748**.

**S5-225748 Rel-18 pCR 28.827 Add new solution for FBC negotiation**

*Type: pCR For: Agreement  
 28.827 v1.3.0  
 Source: Huawei*

(Replaces S5-225428)

**Decision:** The document was **approved**.

**S5-225429 Rel-18 pCR 28.827 Add new solution for PDU session level negotiation**

*Type: pCR For: Agreement  
 28.827 v1.3.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225430 Rel-18 pCR 28.827 Add new solution for QBC trigger setting**

*Type: pCR For: Agreement  
 28.827 v1.3.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225431 Rel-18 pCR 28.827 Add new solution for Roaming Charging Profile Update**

*Type: pCR For: Agreement  
 28.827 v1.3.0  
 Source: Huawei*

**Decision:** The document was **noted**.

**S5-225432 Rel-18 pCR 28.827 Add the solution of V-SMF connect to V-CHF with two charging sessions**

*Type: pCR For: Agreement  
 28.827 v1.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225751**.

**S5-225751 Rel-18 pCR 28.827 Add the solution of V-SMF connect to V-CHF with two charging sessions**

*Type: pCR For: Agreement  
 28.827 v1.3.0  
 Source: Huawei*

(Replaces S5-225432)

**Decision:** The document was **approved**.

**S5-225433 Rel-18 pCR 28.827 Add the solution of V-SMF connects to V-CHF with single charging session**

*Type: pCR For: Agreement  
 28.827 v1.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225649**.

**S5-225649 Rel-18 pCR 28.827 Add the solution of V-SMF connects to V-CHF with single charging session**

*Type: pCR For: Agreement  
 28.827 v1.3.0  
 Source: Huawei*

(Replaces S5-225433)

**Decision:** The document was **approved**.

**S5-225434 Rel-18 pCR 28.827 Add the solution V-CHF controls reporting in single charging session**

*Type: pCR For: Agreement  
 28.827 v1.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225752**.

**S5-225752 Rel-18 pCR 28.827 Add the solution V-CHF controls reporting in single charging session**

*Type: pCR For: Agreement  
 28.827 v1.3.0  
 Source: Huawei*

(Replaces S5-225434)

**Decision:** The document was **approved**.

**S5-225435 Rel-18 pCR 28.827 Add the solution V-SMF controls reporting in single charging session**

*Type: pCR For: Agreement  
 28.827 v1.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225753**.

**S5-225753 Rel-18 pCR 28.827 Add the solution V-SMF controls reporting in single charging session**

*Type: pCR For: Agreement  
 28.827 v1.3.0  
 Source: Huawei*

(Replaces S5-225435)

**Decision:** The document was **approved**.

**S5-225436 Rel-18 pCR 28.827 Correction on the Unified Term for NF in the HPLMN and VPLMN**

*Type: pCR For: Agreement  
 28.827 v1.3.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225717 Draft TR 28.827**

*Type: draft TR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson*

**Decision:** The document was **approved**.

#### 7.5.4 Study on Charging Aspects for Enhanced support of Non-Public Networks

**S5-225185 Rel-18 pCR 28.828 Add end user charging solution to SNPN network access and usage**

*Type: pCR For: Approval  
 28.828 v0.3.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-225652**.

**S5-225652 Rel-18 pCR 28.828 Add end user charging solution to SNPN network access and usage**

*Type: pCR For: Approval  
 28.828 v0.3.0  
 Source: China Mobile*

(Replaces S5-225185)

**Decision:** The document was **approved**.

**S5-225186 Rel-18 pCR 28.828 Introduction of use case and solution on number of UEs**

*Type: pCR For: Approval  
 28.828 v0.3.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-225764**.

**S5-225764 Rel-18 pCR 28.828 Introduction of use case and solution on number of UEs**

*Type: pCR For: Approval  
 28.828 v0.3.0  
 Source: China Mobile*

(Replaces S5-225186)

**Decision:** The document was **approved**.

**S5-225188 Rel-18 pCR 28.828 New charging scenarios and key issues for PNI-NPN topic 1**

*Type: pCR For: Approval  
 28.828 v0.3.0  
 Source: China Mobile*

**Decision:** The document was **approved**.

**S5-225189 Rel-18 pCR 28.828 Adding solution on number of PDU sessions for PNI-NPN**

*Type: pCR For: Approval  
 28.828 v0.3.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-225765**.

**S5-225765 Rel-18 pCR 28.828 Adding solution on number of PDU sessions for PNI-NPN**

*Type: pCR For: Approval  
 28.828 v0.3.0  
 Source: China Mobile*

(Replaces S5-225189)

**Decision:** The document was **approved**.

**S5-225190 Rel-18 pCR 28.828 New charging scenarios and key issues for SNPN topic 2**

*Type: pCR For: Approval  
 28.828 v0.3.0  
 Source: China Mobile*

**Decision:** The document was **approved**.

**S5-225191 Rel-18 pCR 28.828 Adding solution on number of PDU sessions for SNPN**

*Type: pCR For: Approval  
 28.828 v0.3.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-225766**.

**S5-225766 Rel-18 pCR 28.828 Adding solution on number of PDU sessions for SNPN**

*Type: pCR For: Approval  
 28.828 v0.3.0  
 Source: China Mobile*

(Replaces S5-225191)

**Decision:** The document was **approved**.

**S5-225306 Rel-18 pCR 28.828 Addition of solution for converged charging for number of UEs**

*Type: pCR For: Approval  
 28.828 v0.3.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-225647**.

**S5-225647 Rel-18 pCR 28.828 Addition of solution for converged charging for number of UEs**

*Type: pCR For: Approval  
 28.828 v0.3.0  
 Source: Ericsson LM*

(Replaces S5-225306)

**Decision:** The document was **approved**.

**S5-225437 Rel-18 pCR 28.828 Add the solution for SNPN access the PLMN services**

*Type: pCR For: Agreement  
 28.828 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-225653**.

**S5-225653 Rel-18 pCR 28.828 Add the solution for SNPN access the PLMN services**

*Type: pCR For: Agreement  
 28.828 v0.3.0  
 Source: Huawei*

(Replaces S5-225437)

**Decision:** The document was **approved**.

**S5-225438 Rel-18 pCR 28.828 Correction on the use cases description in the Topic 1**

*Type: pCR For: Agreement  
 28.828 v0.3.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225439 Rel-18 pCR 28.828 Correction on the use cases description in the Topic 3**

*Type: pCR For: Agreement  
 28.828 v0.3.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225718 Draft TR 28.828**

*Type: draft TR For: 28.828  
 28.828 v0.4.0  
 Source: China Mobile*

**Decision:** The document was **approved**.

**S5-225758 Presentation of TR 28.828 for Information**

*Type: TS or TR cover For: Approval  
 28.828 v..  
 Source: China Mobile*

**Decision:** The document was **approved**.

#### 7.5.5 New SID on Time Sensitive Networking charging

**S5-225492 Rel-18 pCR 28.xxx Update of the Reference**

*Type: other For: Agreement  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-225493 Rel-18 pCR 28.xxx Update of the Scope**

*Type: other For: Agreement  
 Source: Huawei*

**Decision:** The document was **revised to S5-225757**.

**S5-225757 Rel-18 pCR 28.xxx Update of the Scope**

*Type: other For: Agreement  
 Source: Huawei*

(Replaces S5-225493)

**Decision:** The document was **approved**.

**S5-225494 Rel-18 TR 28.xxx v0.0.0 Initial skeleton**

*Type: other For: Agreement  
 Source: Huawei*

**Decision:** The document was **revised to S5-225756**.

**S5-225756 Rel-18 TR 28.xxx v0.0.0 Initial skeleton**

*Type: other For: Agreement  
 Source: Huawei*

(Replaces S5-225494)

**Decision:** The document was **approved**.

**S5-225719 Draft TR 28.XXX**

*Type: other For: Approval  
 Source: Huawei*

**Decision:** The document was **approved**.

## 8 Any Other Business

## 9 Closing of the meeting

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S5-225000 | Agenda | WG Chair | approved |  |  |
| S5-225001 | Report from last SA5 meeting | MCC | approved |  |  |
| S5-225002 | e-meeting process | WG Chair | revised |  | S5-225611 |
| S5-225003 | Post e-meeting email approval status | WG Chair | available |  |  |
| S5-225004 | OAM&P action list | WG Vice Chair (Huawei) | noted |  |  |
| S5-225005 | agenda\_with\_Tdocs\_sequence\_proposal\_OAM | WG Vice Chair (Huawei) | noted |  |  |
| S5-225006 | OAM Exec Report | WG Vice Chair (Huawei) | reserved |  |  |
| S5-225007 | OAM Chair notes and conclusions | WG Chair | available |  |  |
| S5-225008 | CH agenda and time plan | WG vice Chair (Matrixx Software) | revised |  | S5-225714 |
| S5-225009 | Charging exec report | WG vice Chair (Matrixx Software) | noted |  |  |
| S5-225010 | SA5 working procedures | WG Chair | approved |  |  |
| S5-225011 | Collection of useful endorsed document and external communication documents | WG Vice Chair (Huawei) | noted |  |  |
| S5-225012 | Collection of Rel-18 3GPP SA5 OAM WoP | WG Vice Chair (Huawei) | noted |  |  |
| S5-225013 | Living document for stage 2-3 alignment | WG Chair | approved |  |  |
| S5-225014 | Process for management of draft TS-TRs | WG Chair | noted |  |  |
| S5-225015 | SA5 meeting calendar | WG Chair | revised |  | S5-225612 |
| S5-225016 | Resubmitted Reply LS on Enhancement on Charging Identifier Uniqueness Mechanism | C3-223669 | replied to |  |  |
| S5-225017 | Resubmitted Liaison Response to 3GPP TSG-SA5 for Network  Slice Ordering, Provisioning & Assurance | MEF Forum | replied to |  |  |
| S5-225018 | LS on information about BBF’s release of technical report on network slicing management | BBF | noted |  |  |
| S5-225019 | East/West Bound Interface for Telco Edge consideration | GSMA OPG Operator Platform API Group (OPAG) | postponed |  |  |
| S5-225020 | Resubmitted LS on RAN3 agreements for NR QoE | R3-222890 | postponed |  |  |
| S5-225021 | Reply LS on User Consent Updating | R3-224076 | replied to |  |  |
| S5-225022 | Resubmitted LS on M6 Delay Threshold | R3-224079 | postponed |  |  |
| S5-225023 | Resubmitted Reply LS on Report Amount for M4, M5, M6 and M7 measurements | R3-224084 | replied to |  |  |
| S5-225024 | Resubmitted LS on O-RAN – UML models and tools to be used by 3GPP SA5 | O-RAN | replied to |  |  |
| S5-225025 | Resubmitted LS on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541 | O-RAN | postponed |  |  |
| S5-225026 | LS on initiation new work item M.fidtom: ""Framework of intent driven telecom operation and management"" | ITU-T Study Group 2 | replied to |  |  |
| S5-225027 | LS on progress about intelligence levels evaluation of AITOM in Q6/2 | ITU-T Study Group 2 | noted |  |  |
| S5-225028 | LS on initiation of new Recommendation ITU-T M.rsmca, ""Requirements for smart maintenance of cell antenna"" | ITU-T Study Group 2 | noted |  |  |
| S5-225029 | LS/r on feedback on the working on the energy efficiency of 5G networks (reply to 3GPP TSG SA5-S5-221502) | ITU-T Study Group 2 | noted |  |  |
| S5-225030 | Resubmitted LS/r on methodology harmonization update (reply to 3GPP TSG SA5-S5-222570) | ITU-T Study Group 2 | replied to |  |  |
| S5-225031 | Resubmitted LS on Publication of GS ZSM009-2 and information about related ETSI ISG ZSM work | ETSI ISG ZSM | postponed |  |  |
| S5-225032 | LS on the approval of a new ITU-T Supplement on use cases for autonomous networks | ITU-T SG13 | noted |  |  |
| S5-225033 | pCR TR28.908 Updates terms | Nokia Italy | withdrawn |  |  |
| S5-225034 | pCR TR28.908 clarification on AIMLEntity Capability Mapping | Nokia Italy | revised |  | S5-225696 |
| S5-225035 | pCR TR28.908 Potential Solution on AIMLEntity Capability Discovery | Nokia Italy | revised |  | S5-225695 |
| S5-225036 | pCR 28.908 Potential solution on AIML Inference History | Nokia Italy | revised |  | S5-225694 |
| S5-225037 | pCR 28.908 Add use case on AIML data trustworthiness | Nokia Italy | noted |  |  |
| S5-225038 | pCR 28.908 Add use case on AIML training trustworthiness | Nokia Italy | noted |  |  |
| S5-225039 | pCR 28.908 Add use case on AIML trustworthiness indicators | Nokia Italy | noted |  |  |
| S5-225040 | pCR TR28.908 Potential solution on AIML Testing | Nokia Italy | merged |  | S5-225697 |
| S5-225041 | pCR TR28.908 Potential solution on event data for ML training | Nokia Italy | noted |  |  |
| S5-225042 | pCR TR28.908 Usecase on AIML Capability Update | Nokia Italy | noted |  |  |
| S5-225043 | pCR TR28.908 Usecase on improving retraining efficiency | Nokia Italy | approved |  |  |
| S5-225044 | pCR TR28.908 Usecase on Producer Initiated AIML Training | Nokia Italy | revised |  | S5-225706 |
| S5-225045 | pCR TR28.908 usecase on Orchestrating AIML inference | Nokia Italy | revised |  | S5-225802 |
| S5-225046 | pCR TR28.908 Usecase on ML GRADUAL ACTIVATION | Nokia Italy | revised |  | S5-225703 |
| S5-225047 | pCR TR28.908 Potential solutions on AIML context | Nokia Italy | revised |  | S5-225705 |
| S5-225048 | pCR TR28.908 Requirements on Mobility of AIML Context | Nokia Italy | revised |  | S5-225704 |
| S5-225049 | pCR TR28.908 Usecase on Abstraction of ML Performance | Nokia Italy | withdrawn |  |  |
| S5-225050 | pCR TR28.908 selection of AIML performance indicators | Nokia Italy | noted |  |  |
| S5-225051 | pCR TR28.908 Usecase on Policy based selection of Performance Indicators | Nokia Italy | noted |  |  |
| S5-225052 | pCR TR28.908 usecase on impacts of AIML inference actions | Nokia Italy | revised |  | S5-225702 |
| S5-225053 | pCR TR28.908 Usecase on Abstract AIML Behavior | Nokia Italy | revised |  | S5-225701 |
| S5-225054 | pCR 28.864 Potential solution on service usage of NWDAF | Nokia Italy | revised |  | S5-225712 |
| S5-225055 | LS/r on energy saving management of 5G RAN with AI (reply to 3GPP TSG SA5-S5-221502 ) | ITU-T SG5 | noted |  |  |
| S5-225056 | pCR 28.912 Potential solution on Intent conflicts | Nokia Italy | revised |  | S5-225680 |
| S5-225057 | pCR TR28.912 Key issue on enablers for Intent Fulfillment | Nokia Italy | revised |  | S5-225685 |
| S5-225058 | pCR TR28.912 use case on Intent to AIML Capability Mapping | Nokia Italy | revised |  | S5-225689 |
| S5-225059 | pCR 28.912 Intent driven SON orchestration | Nokia Italy | revised |  | S5-225691 |
| S5-225060 | pCR 28.912 Solution on AIMLEntity Capability Discovery and mapping | Nokia Italy | revised |  | S5-225690 |
| S5-225061 | Enhance 5G Core managed NF Profile NRM fragment | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225062 | NRM enhancements for UPFFunction | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225063 | TS28.541 Rel-18 NRM enhancements for NSSFFunction | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225064 | TS28.541 Rel-18 NRM enhancements for PCFFunction | Nokia, Nokia Shanghai Bell | revised |  | S5-225839 |
| S5-225065 | TS28.541 Rel-18 NRM enhancements for UDMFunction | Nokia, Nokia Shanghai Bell | revised |  | S5-225838 |
| S5-225066 | TS28.541 Rel-18 NRM enhancements for UDRFunction | Nokia, Nokia Shanghai Bell | revised |  | S5-225837 |
| S5-225067 | TS28.541 Rel-17 fix incorrect Line Folding in TS28541\_SliceNrm.yaml | Nokia, Nokia Shanghai Bell | merged |  | S5-225857 |
| S5-225068 | TS 28.541Rel-18 fix incorrect Line Folding in TS28541\_SliceNrm.yaml | Nokia, Nokia Shanghai Bell | merged |  | S5-225797 |
| S5-225069 | TS28.541 Rel-17 FiveQICharacteristics inheritance issue and reference issue in stage 3 | Nokia, Nokia Shanghai Bell | revised |  | S5-225828 |
| S5-225070 | TS28.541 Rel-18 FiveQICharacteristics inheritance issue and reference issue in stage 3 | Nokia, Nokia Shanghai Bell | revised |  | S5-225827 |
| S5-225071 | TS 28.541 Rel-17 fix inconsistency in AMFFunction stage 2 and stage 3 | Nokia, Nokia Shanghai Bell | revised |  | S5-225826 |
| S5-225072 | TS28.541 Rel-18 fix inconsistency in AMFFunction stage 2 and stage 3 | Nokia, Nokia Shanghai Bell | revised |  | S5-225825 |
| S5-225073 | Input to working procedures on FORGE process | Nokia, Nokia Shanghai Bell | revised |  | S5-225609 |
| S5-225074 | LS/r on 5G Network Energy Efficiency and Energy Saving (reply to 3GPP TSG SA5-S5-221680) | ITU-T SG5 | noted |  |  |
| S5-225075 | TS28.531 Update operations of allocateNsi, allocateNssi, deallocateNsi, deallocateNssi | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-225076 | TS 28.541 Rel17 Correction to DESManagementFunction and CESManagementFunction | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225077 | TS 28.541 Rel18 Correction to DESManagementFunction and CESManagementFunction | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225078 | pCR TR28.837 Solution to Report Amount IE Misalignment | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-225079 | Discussion\_Configurability of Report Amount IE | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-225080 | Rel16\_CR\_32422\_Correcting the name of referenced RAN3 RRC IE | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-225081 | Rel17\_CR\_32422\_Correcting the name of referenced RAN3 RRC IE | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-225082 | Rel-17 CR 32.291 Adding missing NodeFunctionality value for IMS | Amdocs Software Systems Ltd | revised |  | S5-225741 |
| S5-225083 | Rel-17 CR 32.291 Alignment between IMSNodeFunctionality description and YAML | Amdocs Software Systems Ltd | revised |  | S5-225742 |
| S5-225084 | Rel-17 CR 32.240 Introduction of Reference point representation for Converged Charging | MATRIXX Software | revised |  | S5-225774 |
| S5-225085 | Rel-17 CR 32.260 Missing Operation Type E for Multiple Unit Usage | Amdocs Software Systems Ltd | agreed |  |  |
| S5-225086 | Rel-18 CR TS 28.531 Update procedures for modification of Network Slice and Network Slice Subnet MOIs | Nokia, Nokia Shanghai Bell | revised |  | S5-225854 |
| S5-225087 | Rel-18 CR TS 28.623 Add AvailabilityStatus and LifecycleState to comDefs | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-225088 | Rel-18 CR TS 28.541 Add lifecycleState and availabilityStatus attributes to NetworkSlice and NetworkSliceSubnet | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-225089 | Rel-18 CR TS 28.531 Update procedures for asynchronous mode of operations for Network Slice and Network Slice Subnet LCM | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-225090 | Rel-18 CR TS 28.531 Removal of redundant network slice modification use case | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225091 | Rel-18 CR TS 28.531 Add provisioning procedure for slice activation and deactivation using adminsitrative state | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225092 | Rel-17 CR TS28.541 Correction to serviceType attribute | Nokia, Nokia Shanghai Bell | revised |  | S5-225822 |
| S5-225093 | Rel-18 CR TS28.541 Correction to serviceType attribute | Nokia, Nokia Shanghai Bell | revised |  | S5-225821 |
| S5-225094 | Rel-17 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | not pursued |  |  |
| S5-225095 | Rel-18 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | not pursued |  |  |
| S5-225096 | Rel-18 CR TS 28.541 Add NRM for network slice isolation | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-225097 | Rel17\_CR\_28104\_Rectifying attribute properties for coverage problem analysis | Nokia, Nokia Shanghai Bell | revised |  | S5-225823 |
| S5-225098 | Rel17\_CR\_28104\_Rectifying attribute properties for EsRecommendation DataType | Nokia, Nokia Shanghai Bell | merged |  | S5-225823 |
| S5-225099 | Rel17\_CR\_28104\_Rectifying attribute properties for HOTargetType Datatype | Nokia, Nokia Shanghai Bell | merged |  | S5-225823 |
| S5-225100 | Rel17\_CR\_28104\_Rectifying attribute properties for Maintanance management Analysis | Nokia, Nokia Shanghai Bell | merged |  | S5-225823 |
| S5-225101 | Rel17\_CR\_28104\_Rectifying attribute properties for MDA assisted Failure Prediction | Nokia, Nokia Shanghai Bell | merged |  | S5-225823 |
| S5-225102 | Rel17\_CR\_28104\_Rectifying attribute properties for Mobility Performance Analysis | Nokia, Nokia Shanghai Bell | merged |  | S5-225823 |
| S5-225103 | Rel17\_CR\_28104\_Rectifying attribute properties for Network Slice Load Analysis | Nokia, Nokia Shanghai Bell | merged |  | S5-225823 |
| S5-225104 | Rel17\_CR\_28104\_Rectifying attribute properties for Network Slice Traffic Prediction | Nokia, Nokia Shanghai Bell | merged |  | S5-225823 |
| S5-225105 | Rel17\_CR\_28104\_Rectifying attribute properties for Paging Analytics | Nokia, Nokia Shanghai Bell | merged |  | S5-225823 |
| S5-225106 | Rel17\_CR\_28104\_Rectifying attribute properties for Traffic Load Trend Datatype | Nokia, Nokia Shanghai Bell | merged |  | S5-225823 |
| S5-225107 | Rel-16 CR 32.423 GPB schema fix for trace streaming | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225108 | Rel-17 CR 32.423 GPB schema fix for trace streaming | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225109 | Rel-17 CR 32.422 Correcting Support Qualifier for jobId attribute | Nokia, Nokia Shanghai Bell | withdrawn |  | - |
| S5-225110 | Rel-18 CR 28.550 GPB schema introduction for PM streaming | Nokia, Nokia Shanghai Bell, Mavenir, Intel | revised |  | S5-225853 |
| S5-225111 | Rel17\_CR\_28622\_Report Amount for M4, M5, M6 and M7 measurements in LTE | Nokia, Nokia Shanghai Bell | not pursued |  | - |
| S5-225112 | Rel17\_CR\_28623\_Report Amount for M4, M5, M6 and M7 measurements in LTE | Nokia, Nokia Shanghai Bell | merged |  | S5-225798 |
| S5-225113 | Rel17\_CR\_32422\_Report Amount for M4, M5, M6 and M7 measurements in LTE | Nokia, Nokia Shanghai Bell | not pursued |  | - |
| S5-225114 | LS on Report Amount for M4, M5, M6 and M7 measurements | Nokia, Nokia Shanghai Bell | merged |  | S5-225614 |
| S5-225115 | DP on enhancing streaming format of PMs | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-225116 | Rel-18 CR 28.550 Enhancing the streaming format of PMs | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-225117 | Rel16\_CR\_32422\_Correcting the name of referenced RAN3 RRC IE | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225118 | Rel17\_CR\_32422\_Correcting the name of referenced RAN3 RRC IE | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225119 | Add Scheduler IOC - YANG | Ericsson Hungary Ltd | not pursued |  |  |
| S5-225120 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 2) | Ericsson Inc. | not pursued |  |  |
| S5-225121 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 3, YANG) | Ericsson Inc. | not pursued |  |  |
| S5-225122 | Rel-18 28.541 Add BWP set support to NRM (stage 2) | Ericsson Inc. | revised |  | S5-225832 |
| S5-225123 | Rel-18 28.541 Add BWP set support to NRM (stage 3, YANG) | Ericsson Inc. | agreed |  |  |
| S5-225124 | Rel-18 pCR 32.847 Solve Editor's Note on solution#1.1 | MATRIXX Software | revised |  | S5-225725 |
| S5-225125 | Rel-18 pCR 32.847 Solve Editors Notes on solutions#1.3 | MATRIXX Software | revised |  | S5-225755 |
| S5-225126 | Rel-18 pCR 32.847 New NSACF (CTF) - NS quota management solution for Key issue#1 | MATRIXX Software | revised |  | S5-225728 |
| S5-225127 | Rel-18 pCR 32.847 Evaluation and conclusion for Key issue#1 | MATRIXX Software | revised |  | S5-225762 |
| S5-225128 | Rel-18 pCR 32.847 New NSACF (CTF) - NS quota management solution for Key issue#2 | MATRIXX Software | revised |  | S5-225763 |
| S5-225129 | Rel-18 pCR 32.847 Solve Editor’s Note on clause 4.1 | MATRIXX Software | revised |  | S5-225727 |
| S5-225130 | Rel-17 CR 28.532 Updating Hysteresis from M to O in notifyThresholdCrossing | Samsung R&D Institute UK | agreed |  |  |
| S5-225131 | Rel-17 CR 28.532 Updating Hysteresis from M to O in notifyThresholdCrossing | Samsung R&D Institute UK | agreed |  |  |
| S5-225132 | Rel-17 CR 28.531 Deleting capacity planning use case | Samsung R&D Institute UK | revised |  | S5-225829 |
| S5-225133 | Rel-18 CR 28.531 Deleting capacity planning use case | Samsung R&D Institute UK | not pursued |  |  |
| S5-225134 | Rel-18 CR 28.531 Fixing provisioning data reporting service | Samsung R&D Institute UK | revised |  | S5-225855 |
| S5-225135 | Rel-18 InputToDraftCR 28.538 EAS Profile.doc | Samsung R&D Institute UK | revised |  | S5-225842 |
| S5-225136 | Rel-18 draftCR to CR conversion for eECM | Samsung R&D Institute UK | agreed |  |  |
| S5-225137 | Rel-18 InputToDraftCR 28.538 Asynchronous support | Samsung R&D Institute UK | noted |  |  |
| S5-225138 | Rel-17 CR TS 28.312 Add missing guidelines for using scenario specific intent expectation for intent driven use cases | Huawei, Deutsche Telekom | agreed |  |  |
| S5-225139 | Rel-17 CR TS 28.312 Correct the misalignment information in Annex C | Huawei, Deutsche Telekom | agreed |  |  |
| S5-225140 | Rel-17 CR TS 28.312 Update intentNRM yaml file to distinguish the generic intent model and sceanrio specific intent model | Huawei, Deutsche Telekom | agreed |  |  |
| S5-225141 | Rel-17 CR TS 28.541 Update stage2 and stage3 definition for FeasibilityCheckAndReservationJob | Huawei | revised |  | S5-225857 |
| S5-225142 | Rel-18 CR TS 28.541 Update stage2 and stage3 definition for FeasibilityCheckAndReservationJob | Huawei | revised |  | S5-225797 |
| S5-225143 | Rel-17 CR TS 28.531 Update feasibility check procedure to align with FeasibilityCheckAndReservationJob | Huawei | revised |  | S5-225796 |
| S5-225144 | Rel-17 CR TS 28.105 Add references for missing management and orchestration features which can may the AIML capabilities | Huawei,Nokia, Deutsche Telekom,China Telecom | not pursued |  |  |
| S5-225145 | Rel-16 CR TS 28.532 Update provMnS yaml to include closaNRM yaml | Huawei,Ericsson | agreed |  |  |
| S5-225146 | Rel-17 CR TS 28.532 Update provMnS yaml to include closaNRM yaml | Huawei,Ericsson | agreed |  |  |
| S5-225147 | Rel-17 CR TS 28.104 OpenAPI file name and dependence change | Huawei,Intel | merged |  | S5-225794 |
| S5-225148 | Rel-17 CR TS 28.105 OpenAPI file name and dependence change | Huawei,Intel | merged |  | S5-225795 |
| S5-225149 | Rel-17 CR TS 28.532 Update provMnS yaml to include MDA NRM related resources | Huawei,Intel | agreed |  |  |
| S5-225150 | Rel-17 CR TS 28.541 Add missing notifyMOIChanges in configuration notification table | Huawei | agreed |  |  |
| S5-225151 | Rel-18 CR TS 28.541 Add missing notifyMOIChanges in configuration notification table | Huawei | agreed |  |  |
| S5-225152 | pCR TR28.864 Key issue on NWDAF Analytics-related Timing | Nokia Italy | revised |  | S5-225711 |
| S5-225153 | Correct notifyMOIChanges handling for YANG leaf-lists | Ericsson Hungary Ltd | agreed |  |  |
| S5-225154 | pCR 28.834 Add concepts and background | Microsoft, China Mobile | revised |  | S5-225814 |
| S5-225155 | DP on solution timeline for generic OAM functions requirements | Microsoft Europe SARL | noted |  |  |
| S5-225156 | Add network slice isolation use case and requirements | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-225157 | Presentation of TR 28.907 for SA Information | Huawei | approved |  |  |
| S5-225158 | pCR 28.907 Rapporteur proposal | Huawei | revised |  | S5-225860 |
| S5-225159 | pCR 28.907 Add introduction of TR | Huawei | approved |  |  |
| S5-225160 | pCR 28.907 Update clause 4.1 | Huawei | revised |  | S5-225859 |
| S5-225161 | pCR 28.907 Add key issue for network capability exposure | Huawei | approved |  |  |
| S5-225162 | pCR 28.907 Potential solution for satisfying resource isolation demand for Smart Grid Utilities | Huawei | revised |  | S5-225818 |
| S5-225163 | pCR 28.824 Concepts of simplification, filtering and abstration in exposure governance | Huawei | noted |  |  |
| S5-225164 | pCR 28.824 Possible solutions for EGMF implementing CAPIF functional entities | Huawei | noted |  |  |
| S5-225165 | Rel-17 CR 28.541 Correction on two SLA attributes | Huawei | agreed |  |  |
| S5-225166 | Rel-18 CR 28.541 Correction on two SLA attributes | Huawei | agreed |  |  |
| S5-225167 | Rel-17 CR TS 32.422 Report Amount for M4, M5, M6 and M7 measurements in LTE | China Telecomunication Corp., Huawei | merged |  | S5-225819 |
| S5-225168 | Rel-17 CR TS 28.622 Report Amount for M4, M5, M6 and M7 measurements in LTE | China Telecomunication Corp., Huawei | merged |  | S5-225820 |
| S5-225169 | Rel-17 CR TS 32.422 add excess packet delay threshould for signalling-based and management-based MDT | Huawei | not pursued |  |  |
| S5-225170 | Rel-17 CR TS 28.622 add excess packet delay threshould for signalling-based and management-based MDT | Huawei | not pursued |  |  |
| S5-225171 | Rel-17 CR TS 28.623 add excess packet delay threshould for signalling-based and management-based MDT | Huawei | not pursued |  |  |
| S5-225172 | Reply LS on M6 Delay Threshold | Huawei | noted |  |  |
| S5-225173 | Rel-18 CR 28.104 Note in Generic flow on MDAS Consumer same with Notification consumer | Samsung R&D Institute UK | merged |  | S5-225856 |
| S5-225174 | Discussion Paper on EES initiated EAS deployment | Samsung R&D Institute UK | revised |  | S5-225841 |
| S5-225175 | Rel-18 InputToDraftCR 28.538 GSMA OP and ECM concept mapping | Samsung R&D Institute UK | revised |  | S5-225847 |
| S5-225176 | Rel-18 InputToDraftCR 28.538 Availability Zone.doc | Samsung R&D Institute UK | revised |  | S5-225846 |
| S5-225177 | Rel-18 InputToDraftCR 28.538 EES initiated EAS Deployment | Samsung R&D Institute UK | noted |  |  |
| S5-225178 | pCR 28.831 Add Key Issue for attribute addition and deletion | Samsung R&D Institute UK | noted |  |  |
| S5-225179 | pCR TR 28.863 Key Issue # 1: add a description of KQI in ETSI GS F5G 005 | AsiaInfo,Huawei | revised |  | S5-225869 |
| S5-225180 | Rel-18 CR 28.531 Update procedures and operations to support asynchronous mode of operation.doc | Samsung R&D Institute UK | not pursued |  |  |
| S5-225181 | pCR TR 28.863 Key Issue # 5: KQIs for cloud VR- the background survey of the Cloud VR | AsiaInfo,Huawei | withdrawn |  |  |
| S5-225182 | pCR TR 28.863 Key Issue # 5: KQIs for cloud VR- use case of the Cloud VR | AsiaInfo,Huawei | noted |  |  |
| S5-225183 | pCR TR 28.863 Key Issue #5 KQIs for Cloud VR- the solution of KQIs for cloud VR | AsiaInfo,Huawei | noted |  |  |
| S5-225184 | Rel-17 CR 28.541 adding processMonitor in NetworkSlice and NetworkSliceSubnet.doc | Samsung R&D Institute UK | not pursued |  |  |
| S5-225185 | Rel-18 pCR 28.828 Add end user charging solution to SNPN network access and usage | China Mobile | revised |  | S5-225652 |
| S5-225186 | Rel-18 pCR 28.828 Introduction of use case and solution on number of UEs | China Mobile | revised |  | S5-225764 |
| S5-225187 | Reply LS on Report Amount for M4, M5, M6 and M7 measurements | Huawei | revised |  | S5-225614 |
| S5-225188 | Rel-18 pCR 28.828 New charging scenarios and key issues for PNI-NPN topic 1 | China Mobile | approved |  |  |
| S5-225189 | Rel-18 pCR 28.828 Adding solution on number of PDU sessions for PNI-NPN | China Mobile | revised |  | S5-225765 |
| S5-225190 | Rel-18 pCR 28.828 New charging scenarios and key issues for SNPN topic 2 | China Mobile | approved |  |  |
| S5-225191 | Rel-18 pCR 28.828 Adding solution on number of PDU sessions for SNPN | China Mobile | revised |  | S5-225766 |
| S5-225192 | R18 CR TS 28.552 Add use case of remote interference related performance measurement | China Telecomunication Corp., Huawei | agreed |  |  |
| S5-225193 | pCR TR 28.838 Use case on management data correlation analytics | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-225194 | Revised WID for Additional NRM features phase 2 | Huawei | noted |  |  |
| S5-225195 | DP on structure proposal for new generic NRM specification | Huawei | noted |  |  |
| S5-225196 | Rel-18 CR 28.541 Add BWP set support to NRM (Stage3, YAML) | Huawei | revised |  | S5-225831 |
| S5-225197 | Rel-18 CR TS 28.541 Update NWDAFFunction IOC to support management and control purpose | Huawei | revised |  | S5-225830 |
| S5-225198 | pCR TR 28.912 Rapporteur clean up | Huawei | approved |  |  |
| S5-225199 | pCR TR 28.912 Add issue for enhencement of generic intent information model definition | Huawei, Deutsche Telekom | revised |  | S5-225688 |
| S5-225200 | pCR TR 28.912 Update Issue#4.3 enhancement of radio network intent expectation to include the context for transport | Huawei, Deutsche Telekom | approved |  |  |
| S5-225201 | pCR TR 28.912 Add issue for Intent handling capability obtaining | Huawei, Deutsche Telekom | revised |  | S5-225687 |
| S5-225202 | pCR TR 28.912 Add conclusion and recommendation for existing key issues | Huawei | approved |  |  |
| S5-225203 | Presentation sheet of TR28.912 for information | Huawei | approved |  |  |
| S5-225204 | Asynchronous operations | Ericsson Hungary Ltd | not pursued |  |  |
| S5-225205 | DP AI/ML management terminologies and definitions | NEC, Intel, Nokia | endorsed |  |  |
| S5-225206 | Reply LS on LS/r on methodology harmonization update | Ericsson Hungary Ltd | revised |  | S5-225615 |
| S5-225207 | Rel-17 CR TS 28.105 Corrections to the terms and definition description and corresponding updates | NEC, Intel, Nokia | agreed |  |  |
| S5-225208 | Add Use Case of load balancing | China Mobile Com. Corporation | noted |  |  |
| S5-225209 | YANG Mapping Rule Corrections | Ericsson Hungary Ltd | agreed |  |  |
| S5-225210 | YANG Corrections | Ericsson Hungary Ltd | agreed |  |  |
| S5-225211 | Rel-17 CR 32.255 Correction on Home Provided Charging Id and Roaming Charging Profile | China Mobile M2M Company Ltd. | revised |  | S5-225743 |
| S5-225212 | YANG Corrections | Ericsson Hungary Ltd | agreed |  |  |
| S5-225213 | TS 28.317 Use case and requirement for ARCF data handling | China Mobile, Huawei | noted |  |  |
| S5-225214 | 28.317 Usecase and requirement for Self-configuration Management | China Mobile, Huawei | noted |  |  |
| S5-225215 | DP on relationship with CAMARA and related definition | Alibaba Group | noted |  |  |
| S5-225216 | Rephrase or replace eMnS with exposed MnS | Alibaba Group | revised |  | S5-225870 |
| S5-225217 | Update of solution 7.9 | Alibaba Group | revised |  | S5-225871 |
| S5-225218 | Update Solution for Network slice management capability | Alibaba Group | noted |  |  |
| S5-225219 | Rel-16 CR TS 28.554 Correct wrong measurement names in KPI definition | Huawei Technologies France | agreed |  |  |
| S5-225220 | Rel-17 CR TS 28.554 Correct wrong measurement names in KPI definition | Huawei Technologies France | agreed |  |  |
| S5-225221 | Rel-17 CR TS 28.554 Correct 5G energy consumption definitions | Huawei Technologies France | revised |  | S5-225793 |
| S5-225222 | Rel-17 CR TS 28.310 Solutions to calculate the energy consumption of PNF/VNF/VNFCs | Huawei Technologies France | revised |  | S5-225792 |
| S5-225223 | Rel-16 CR 28.623 adding missing interface for SMF | Huawei | revised |  | S5-225791 |
| S5-225224 | Rel-17 CR 28.623 adding missing interface for SMF | Huawei | revised |  | S5-225790 |
| S5-225225 | Rel-17 CR 28.541 update EASDF IOC | Huawei | revised |  | S5-225789 |
| S5-225226 | Rel-18 CR 28.541 update EASDF IOC | Huawei | revised |  | S5-225788 |
| S5-225227 | Rel-17 CR 28.100 correct potential solution for fault management | Huawei | agreed |  |  |
| S5-225228 | Rel-17 CR 28.104 Corrections to MDAOutputIEFilter | Huawei | agreed |  |  |
| S5-225229 | Rel-17 CR 28.541 Correction to coverageAreaTAList | Huawei | revised |  | S5-225787 |
| S5-225230 | Rel-17 CR 28.538 correct EES deployment procedure | Huawei | not pursued |  |  |
| S5-225231 | Rel-18 CR 28.552 update measurement for EES | Huawei | merged |  | S5-225844 |
| S5-225232 | InputToDraftCR 28.538 ECSFunction IOC update | Huawei | withdrawn |  |  |
| S5-225233 | pCR TR 28.910 Add key issue for autonomous network level for 5GC network disaster recovery | Huawei | noted |  |  |
| S5-225234 | pCR TR 28.909 Add key issues for KEI of autonomous network levels evaluation for 5GC energy saving | Huawei | noted |  |  |
| S5-225235 | pCR TR 28.912 add potential solution for 5GC optimization | Huawei | revised |  | S5-225683 |
| S5-225236 | pCR TR 28.912 add potential solution for 5GC fault management | Huawei | revised |  | S5-225682 |
| S5-225237 | pCR TR 28.836 add use case of slice modification | Huawei | noted |  |  |
| S5-225238 | pCR 28.836 use case of Intent driven management for network slice feasibility check | Huawei | noted |  |  |
| S5-225239 | pCR TR 28.836 add use case of intent LCM | Huawei | noted |  |  |
| S5-225240 | pCR TR 28.836 add intent model IntentExpectation for network slicing instance | Huawei | noted |  |  |
| S5-225241 | pCR 28.834 Add issues for use case 1 | Huawei | noted |  |  |
| S5-225242 | pCR 28.834 Add issues for use case 2 | Huawei | noted |  |  |
| S5-225243 | pCR 28.834 Add issues for use case 3 | Huawei | noted |  |  |
| S5-225244 | pCR 28.834 Add issues for use case 4 | Huawei | revised |  | S5-225878 |
| S5-225245 | pCR 28.834 Add use case for NF creation as cloud native VNF | Huawei | revised |  | S5-225813 |
| S5-225246 | pCR TR 28.833 add potential solution of SMF configuration | Huawei | revised |  | S5-225810 |
| S5-225247 | pCR TR 28.833 add potential solution of performance meassurements for SMF and UPF | Huawei | noted |  |  |
| S5-225248 | pCR 28.824 Cleanup of exposure without going through BSS | Huawei | approved |  |  |
| S5-225249 | pCR 28.824 Removal of unused interfaces in alternative 3 | Huawei | approved |  |  |
| S5-225250 | pCR 28.903 add potential solution for application LCM with MEC | Huawei | noted |  |  |
| S5-225251 | pCR 28.903 add potential solution for application LCM | Huawei | revised |  | S5-225873 |
| S5-225252 | pCR 28.903 add potential solution for EES and MEP collocation | Huawei | revised |  | S5-225872 |
| S5-225253 | pCR 28.903 add potential solution for resource reservation | Huawei | noted |  |  |
| S5-225254 | pCR 28.903 update background information for GSMA OPG | Huawei | revised |  | S5-225874 |
| S5-225255 | pCR TR 28.913 New Issue – Roles involved in EE KPI building | Huawei, Deutsche Telekom | revised |  | S5-225863 |
| S5-225256 | pCR 28.913 Add new Issue on digital sobriety | Huawei Technologies France | noted |  |  |
| S5-225257 | Rel-18 CR 28.538 ECSFunction IOC update | Huawei Technologies Sweden AB | revised |  | S5-225840 |
| S5-225258 | pCR TR 28.913 New Key Issue-RAN energy saving when using backup batteries | Huawei Technologies France | noted |  |  |
| S5-225259 | Rel-16 CR 32.255 Correction of secondary RAT for EPC | Ericsson LM | not pursued |  |  |
| S5-225260 | Rel-17 CR 32.255 Correction of secondary RAT for EPC | Ericsson LM | not pursued |  |  |
| S5-225261 | Rel-16 CR 32.291 Correction of secondary RAT for EPC | Ericsson LM | not pursued |  |  |
| S5-225262 | Rel-17 CR 32.291 Correction of secondary RAT for EPC | Ericsson LM | not pursued |  |  |
| S5-225263 | Rel-16 CR 32.255 Correction of IPv6 prefixes in PDU address | Ericsson LM | not pursued |  |  |
| S5-225264 | Rel-17 CR 32.255 Correction of IPv6 prefixes in PDU address | Ericsson LM | not pursued |  |  |
| S5-225265 | Rel-16 CR 32.291 Correction of IPv6 prefixes in PDU address | Ericsson LM | revised |  | S5-225744 |
| S5-225266 | Rel-17 CR 32.291 Correction of IPv6 prefixes in PDU address | Ericsson LM | revised |  | S5-225745 |
| S5-225267 | Rel-17 CR 32.274 Correcting session and charging identifiers | Ericsson LM | revised | S5-223091 | S5-225644 |
| S5-225268 | Rel-17 CR 32.254 Missing operation and identifier in NEF charging information | Ericsson LM | not pursued | S5-223094 |  |
| S5-225269 | Rel-17 CR 32.291 Missing operation and identifier in NEF charging information | Ericsson LM | not pursued | S5-223095 |  |
| S5-225270 | Rel-17 CR 32.298 Missing operation and identifier in NEF charging information | Ericsson LM | not pursued | S5-223096 |  |
| S5-225271 | Rel-17 CR 32.290 Correction of use of requested units at suspended | Ericsson LM | not pursued |  |  |
| S5-225272 | Rel-17 CR 32.291 Correction of use QMI in notify | Ericsson LM | revised |  | S5-225768 |
| S5-225273 | Rel-17 CR 32.290 Correction of use QMI | Ericsson LM | not pursued |  |  |
| S5-225274 | Rel-17 CR 32.298 Correction ASN.1 check | Ericsson LM | revised |  | S5-225738 |
| S5-225275 | Rel-17 CR 32.291 Correcting missing user location mapping to ASN.1 | Ericsson LM | revised |  | S5-225646 |
| S5-225276 | Rel-17 CR 32.291 Correcting missing CIoT indicators in yaml | Ericsson LM | revised |  | S5-225740 |
| S5-225277 | Rel-17 CR 32.291 Correcting missing node functionality as IMS | Ericsson LM | merged |  | S5-225741 |
| S5-225278 | Rel-17 CR 32.290 Correcting service level usage for trigger mechanism | Ericsson LM | not pursued |  |  |
| S5-225279 | Rel-17 CR 32.291 Correcting missing V-SMF | Ericsson LM | agreed |  |  |
| S5-225280 | Rel-17 CR 32.298 Correction missing V-SMF | Ericsson LM | revised |  | S5-225760 |
| S5-225281 | Rel-17 CR 32.298 Correction for undefined RAT type | Ericsson LM | not pursued |  |  |
| S5-225282 | Rel-17 CR 32.298 Correction for ATSSSCapability mapping | Ericsson LM | not pursued |  |  |
| S5-225283 | Rel-16 CR 32.298 Correction presence reporting in roaming QBC information | Ericsson LM | not pursued |  |  |
| S5-225284 | Rel-17 CR 32.298 Correction presence reporting in roaming QBC information | Ericsson LM | not pursued |  |  |
| S5-225285 | Rel-16 CR 32.291 Correction of DNN definition | Ericsson LM | not pursued |  |  |
| S5-225286 | Rel-17 CR 32.291 Correction of DNN definition | Ericsson LM | not pursued |  |  |
| S5-225287 | Rel-17 CR 32.240 Correction of IMS and SMSF in reference architecture | Ericsson LM | merged |  | S5-225774 |
| S5-225288 | Rel-18 CR 32.290 Addition of MMS relay and server | Ericsson LM | revised |  | S5-225720 |
| S5-225289 | Rel-18 CR 32.270 Addition of converged charging architecture | Ericsson LM | revised |  | S5-225721 |
| S5-225290 | Rel-18 CR 32.270 Addition of converged charging scenarios | Ericsson LM | revised |  | S5-225722 |
| S5-225291 | Rel-18 CR 32.270 Addition of converged charging information | Ericsson LM | revised |  | S5-225723 |
| S5-225292 | Rel-18 pCR 28.826 Adding solution in clause 5.1 using new trigger category | Ericsson LM | noted |  |  |
| S5-225293 | Rel-18 pCR 28.826 Adding solution for non-blocking mode change using PCF | Ericsson LM | revised |  | S5-225777 |
| S5-225294 | Rel-18 pCR 28.826 Adding issue and solution to identifying non-blocking mode | Ericsson LM | noted |  |  |
| S5-225295 | Rel-18 pCR 28.826 Adding use case and requirement for cancel failed session charging | Ericsson LM | noted |  |  |
| S5-225296 | Rel-18 pCR 28.826 Adding solution for size of charging information | Ericsson LM | noted |  |  |
| S5-225297 | Rel-18 pCR 28.826 Adding solution for documentation structure | Ericsson LM | noted |  |  |
| S5-225298 | Rel-18 pCR 28.827 Mapping requirement and issue in clause 7.2 | Ericsson, Huawei | approved |  |  |
| S5-225299 | Rel-18 pCR 28.827 Adding solutions in clause 7.1 for VPLMN wholesale charging of HPLMN | Ericsson LM | noted |  |  |
| S5-225300 | Rel-18 pCR 28.827 Adding solutions in clause 7.2 for trigger handling between visited and home CHF | Ericsson LM | noted |  |  |
| S5-225301 | Rel-18 pCR 28.827 Adding use case in clause 7.4 where there are multiple additional actors | Ericsson LM | revised |  | S5-225730 |
| S5-225302 | Rel-18 pCR 28.827 Adding use case in clause 7.5 for roaming where there are multiple additional actors | Ericsson LM | noted |  |  |
| S5-225303 | Rel-18 pCR 28.827 Adding solution in clause 7.6 for UE reported reconciliation | Ericsson LM | noted |  |  |
| S5-225304 | Rel-18 pCR 28.827 Adding solution in clause 7.6 for user reported reconciliation | Ericsson LM | noted |  |  |
| S5-225305 | Rel-18 pCR 28.827 Update of business roles | Ericsson LM | revised |  | S5-225734 |
| S5-225306 | Rel-18 pCR 28.828 Addition of solution for converged charging for number of UEs | Ericsson LM | revised |  | S5-225647 |
| S5-225307 | YANG Corrections | Ericsson Hungary Ltd | agreed |  |  |
| S5-225308 | pCR 28.910 Add introduction on relevant SI/WI in 3GPP | China Mobile, Huawei | revised | S5-224127 | S5-225679 |
| S5-225309 | pCR TR 28.910 Add key issue for enhancement of ANL for fault management | China Mobile, Huawei | noted | S5-224128 |  |
| S5-225310 | pCR 28.909 Add key issue of evaluation objects for autonomous network levels evaluation | China Mobile, Huawei | noted | S5-224129 |  |
| S5-225311 | pCR TR 28.909 Add key issues of generic methodology for autonomous network levels evaluation | China Mobile, Huawei | noted | S5-224130 |  |
| S5-225312 | LS reply to TMF, MEF and GSMA on overall architecture for network slice ordering, provisioning and assurance | Huawei Technologies France | withdrawn |  |  |
| S5-225313 | pCR TR 28.910 Add key issues for enhancement of network optimization | Huawei,China Mobile | noted | S5-224049 |  |
| S5-225314 | pCR TR 28.910 Add key issues for enhancement of ANL for RAN NE deployment | Huawei,China Mobile | noted | S5-224050 |  |
| S5-225315 | YANG Corrections | Ericsson Hungary Ltd | agreed |  |  |
| S5-225316 | pCR TR 28.909 Add key issues for KEI of autonomous network levels evaluation for radio network optimization | Huawei,China Mobile | noted | S5-224046 |  |
| S5-225317 | pCR TR 28.909 Add general process of evaluating the autonomous network level | Huawei,China Mobile | noted | S5-224047 |  |
| S5-225318 | pCR TR 28.912 Add TMF procedure mappings | Ericsson Inc. | revised |  | S5-225692 |
| S5-225319 | DP to add GPB format for PM Counter streaming | Ericsson Inc. | endorsed |  |  |
| S5-225320 | Rel-18 pCR 28.837 Structuring of TraceJob attributes | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-225321 | Reply LS on User Consent Updating | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-225322 | Rel-17 CR 32.422 Clarification of inclusion of Management based MDT PLMN (Modification) List IE in NG messages | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225323 | Rel-16 CR 28.313 Correction of intra-RAT and inter-RAT too early and too late handover failures description | Nokia, Nokia Shanghai Bell | revised |  | S5-225786 |
| S5-225324 | Rel-17 CR 28.313 Correction of intra-RAT and inter-RAT too early and too late handover failures description | Nokia, Nokia Shanghai Bell | revised |  | S5-225785 |
| S5-225325 | Rel-16 CR 28.552 Clarification of inter-system too early and too late handover failures and unnecessary handovers for inter-system mobility | Nokia, Nokia Shanghai Bell | revised |  | S5-225784 |
| S5-225326 | Rel-17 CR 28.552 Clarification of inter-system too early and too late handover failures and unnecessary handovers for inter-system mobility | Nokia, Nokia Shanghai Bell | revised |  | S5-225643 |
| S5-225327 | Rel-18 Input to draftCR 28.622 Modification and Correction of Scheduler IOC (stage 2) | Nokia, Nokia Shanghai Bell | revised |  | S5-225836 |
| S5-225328 | Rel-18 Input to draftCR 28.623 Modification and Correction of Scheduler IOC (stage 2) | Nokia, Nokia Shanghai Bell | revised |  | S5-225835 |
| S5-225329 | DP on Introduction of Stage 2 Common Data Type Definitions | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-225330 | Draft Skeleton for TS on Common Data Type Definitions | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-225331 | Rel-18 Input to draftCR 28.622 Introduce Condition Monitor and enhance PerfMetricJob to allow that service is executed only if conditions are satisfied (stage 2) | Nokia, Nokia Shanghai Bell | revised |  | S5-225834 |
| S5-225332 | Rel-18 Input to draftCR 28.623 Introduce Condition Monitor and enhance PerfMetricJob to allow that service is executed only if conditions are satisfied (stage 2) | Nokia, Nokia Shanghai Bell | revised |  | S5-225833 |
| S5-225333 | Rel-17 CR 28.404 Align Requirements of handling QMC during RAN overload to RAN specifications | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225334 | Rel-17 CR 28.405 Align Requirements of handling QMC during RAN overload to RAN specifications | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225335 | Rel-17 CR 28.622 Include already approved changes or enhancements of attribute properties for IOC ManagementDataCollection | Nokia, Nokia Shanghai Bell | revised |  | S5-225642 |
| S5-225336 | Rel-16 CR 28.622 Correction of attribute names of IOC TraceJob | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225337 | Rel-17 CR 28.622 Correction of attribute names of IOC TraceJob in the attribute property table | Nokia, Nokia Shanghai Bell, Ericsson | agreed |  |  |
| S5-225338 | Rel-18 CR 28.313 Add beam specific inter-RAT handover counters related to MRO | Nokia, Nokia Shanghai Bell | endorsed |  |  |
| S5-225339 | Rel-18 CR 28.552 Add beam specific inter-system handover counters related to MRO | Nokia, Nokia Shanghai Bell | revised |  | S5-225852 |
| S5-225340 | pCR 28.838 add use case of mobility optimization | Intel Korea, Ltd. | noted |  |  |
| S5-225341 | pCR 28.838 add the use case of network energy saving | Intel Korea, Ltd. | noted |  |  |
| S5-225342 | pCR 28.838 add concept | Intel Korea, Ltd. | noted |  |  |
| S5-225343 | pCR 28.838 add solution | Intel Korea, Ltd. | noted |  |  |
| S5-225344 | Rel-18 CR 28.552 Add the per SSB RSRQ and SINR measurements | Intel Korea, Ltd. | agreed |  |  |
| S5-225345 | Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC | Intel Korea, Ltd. | not pursued |  |  |
| S5-225346 | Rel-18 CR 28.623 Add stage 3 solution for LcmJob IOC | Intel Korea, Ltd. | not pursued |  |  |
| S5-225347 | Rel-18 pCR 28.826 Adding a key issue and potential solutions for cancel failed event | Amdocs Software Systems Ltd | noted |  |  |
| S5-225348 | Rel-18 pCR 28.826 Adding potential solution for locating cancel failed event | Amdocs Software Systems Ltd | revised |  | S5-225754 |
| S5-225349 | Rel-18 draftCR 32.240 Adding new consumer for MMS in Charging Architecture | Amdocs Software Systems Ltd | merged |  | S5-225724 |
| S5-225350 | Correction on NG-RAN activation mechanism | Ericsson | revised |  | S5-225608 |
| S5-225351 | Correction on NG-RAN activation mechanism | Ericsson Limited | revised |  | S5-225607 |
| S5-225352 | Rel-17 CR TS 28.623 Report Amount for M4, M5, M6 and M7 measurements in LTE | China Telecomunication Corp., Huawei | not pursued |  | - |
| S5-225353 | TS 28.317 Add Concept | China Mobile, Huawei | noted |  |  |
| S5-225354 | Rel-18 CR TS 28.552 Add measurements for UE throughput of Dedicated BWP | China Telecomunication Corp., ZTE, Nokia | revised |  | S5-225851 |
| S5-225355 | Rel-18 TS28.532 enhance OpenAPI to support access control | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-225356 | Rel-18 TS28.533 enhancement to support access control | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-225357 | TS28.541 Rel-17 Add missing attributes n6Protection and nssaaSupport defined in CNSliceSubnetProfile to TopSliceSubnetProfile | Nokia, Nokia Shanghai Bell, KDDI | agreed |  |  |
| S5-225358 | TS28.541 Rel-18 Add missing attributes n6Protection and nssaaSupport defined in CNSliceSubnetProfile to TopSliceSubnetProfile | Nokia, Nokia Shanghai Bell, KDDI | agreed |  |  |
| S5-225359 | fix incorrect yaml file name in TS28.105 | Nokia, Nokia Shanghai Bell | revised |  | S5-225795 |
| S5-225360 | fix incorrect yaml file name in TS28.104 | Nokia, Nokia Shanghai Bell | revised |  | S5-225794 |
| S5-225361 | TS 28.541 Rel-17 fix TaiList issues in stage 3 in TS28541\_5gcNrm.yaml | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225362 | TS 28.541 Rel-18 fix TaiList issues in stage 3 in TS28541\_5gcNrm.yaml | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225363 | Rel-17 TS28.541 Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS | not pursued |  |  |
| S5-225364 | Rel-18 TS28.541 Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS | not pursued |  |  |
| S5-225365 | Add key issue for autonomous network level for network slice subnet related requirements determination | AsiaInfo Technologies Inc | noted |  |  |
| S5-225366 | Add key issue for intent driven approach for fault predication | AsiaInfo Technologies Inc | noted |  |  |
| S5-225367 | Add key issue for intent feasibility check | AsiaInfo Technologies Inc | revised |  | S5-225686 |
| S5-225368 | pCR TR 28.864 Add potential solution related with number of subscriptions and notifications for NWDAF Data Collection | China Mobile E-Commerce Co. | revised |  | S5-225710 |
| S5-225369 | Rel-17 CR 28.312 Correct procedures for intent management | China Mobile International Ltd | agreed |  |  |
| S5-225370 | pCR 28.834 Add Use Case on performance management of the cloud-native VNF using generic OAM functions | AsiaInfo Technologies Inc | noted |  |  |
| S5-225371 | pCR 28.834 Add Use Case on software modification of the cloud-native VNF | AsiaInfo Technologies Inc | revised |  | S5-225812 |
| S5-225372 | pCR 28.912 Add potential solutions for intent conflict | China Mobile E-Commerce Co. | revised |  | S5-225681 |
| S5-225373 | pCR TR 28.833 Add key issue for topic 4 | China Mobile E-Commerce Co. | revised |  | S5-225811 |
| S5-225374 | New SID on Enhancement Management from OAM to NWDAF for Computing Awareness | China Telecommunications | noted |  |  |
| S5-225375 | pCR 28.912 Add key issue for intent execution monitoring | China Mobile E-Commerce Co. | revised |  | S5-225684 |
| S5-225376 | Study on Data Management | Nokia, Nokia Shanghai Bell | revised |  | S5-225617 |
| S5-225377 | Rel-16 CR 32.158 Align examples for DNs and URIs in clause 4.2 with object class naming conventions | Nokia, Nokia Shanghai Bell | revised |  | S5-225641 |
| S5-225378 | Rel-17 CR 32.158 Align examples for DNs and URIs in clause 4.2 with object class naming conventions | Nokia, Nokia Shanghai Bell | revised |  | S5-225640 |
| S5-225379 | Rel-16 CR 32.158 Clarify concept of MnS root | Nokia, Nokia Shanghai Bell | revised |  | S5-225639 |
| S5-225380 | Rel-17 CR 32.158 Clarify concept of MnS root | Nokia, Nokia Shanghai Bell | revised |  | S5-225638 |
| S5-225381 | Rel-16 CR 32.158 Clarify only leaf resources can be created | Nokia, Nokia Shanghai Bell | revised |  | S5-225637 |
| S5-225382 | Rel-17 CR 32.158 Clarify only leaf resources can be created | Nokia, Nokia Shanghai Bell | revised |  | S5-225636 |
| S5-225383 | Rel-16 CR 32.158 Clarify HTTP POST and HTTP PUT response message format | Nokia, Nokia Shanghai Bell | revised |  | S5-225635 |
| S5-225384 | Rel-17 CR 32.158 Clarify HTTP POST and HTTP PUT response message format | Nokia, Nokia Shanghai Bell | revised |  | S5-225634 |
| S5-225385 | TR 28.825 update TR structure | China Unicom | approved |  |  |
| S5-225386 | Rel-16 CR 32.158 Correct and clarify numerous smaller issues | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225387 | Rel-17 CR 32.158 Correct and clarify numerous smaller issues | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225388 | Rel-17 CR TS 28.313 align the discription between TS 28.541 for CSON PCI configuration | Huawei | revised |  | S5-225618 |
| S5-225389 | pCR TR 28.908 Add AIML capabilities deployment scenarios | Huawei, Deutsche Telekom | noted |  |  |
| S5-225390 | pCR TR 28.908 Add use case on AI-ML model configuration | Huawei, Deutsche Telekom | revised |  | S5-225700 |
| S5-225391 | pCR TR 28.908 Add possible solution on AI-ML model update | Huawei | revised |  | S5-225698 |
| S5-225392 | pCR TR 28.908 Add illustration on AI-ML workflow | Huawei | merged |  | S5-225693 |
| S5-225393 | Rel-16 CR 32.158 Clarify use of the JSON Patch test operation | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225394 | Rel-18 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-225395 | Rel-18 CR TS 28.531 Correction to informative annex on network slice journey | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-225396 | Rel-18 pCR TR 28.913 Add key issue for Energy Saving compensation procedure | Nokia, Nokia Shanghai Bell | revised |  | S5-225864 |
| S5-225397 | Rel-18 pCR TR 28.831 Add a new key issue for Adding mechanism to advertise supported NRM capabilities by the MnS Producer | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-225398 | pCR TR 28.863 Key Issue # 5: KQIs for cloud VR- the background survey of the Cloud VR | Asiainfo, Huawei | noted |  |  |
| S5-225399 | Rel-17 CR 32.158 Clarify use of the JSON Patch test operation | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225400 | Rel-18 pCR 32.847 Evaluation and conclusion for Key issue#2 | MATRIXX Software | revised |  | S5-225736 |
| S5-225401 | Rel-18 pCR 32.847 Solve Editors Notes on solutions#6.2 | MATRIXX Software | revised |  | S5-225726 |
| S5-225402 | Rel-18 pCR 32.847 Remove Key issue#4 | MATRIXX Software | approved |  |  |
| S5-225403 | Rel-18 pCR 32.847 Convert the Key issue#9 into background | MATRIXX Software | revised |  | S5-225651 |
| S5-225404 | Rel-18 pCR 32.847 Clarify Potential requirements in Key issues#1 and #2 | MATRIXX Software | approved |  |  |
| S5-225405 | pCR 28.841 add scenarios for IOT networks with an integrated satellite componen | China Unicom | approved |  |  |
| S5-225406 | Rel-18 pCR 32.847 Solve Editors Note on Key Issue #5 | MATRIXX Software | revised |  | S5-225729 |
| S5-225407 | pCR TR 28.829 Clean up | Samsung, EUTC, EDF | revised |  | S5-225868 |
| S5-225408 | pCR TR 28.829 Business use case - DSO Provides an Incident Report | Samsung, EUTC, BMWK, Vodafone, Telefonica, EDF | revised |  | S5-225867 |
| S5-225409 | pCR TR 28.835 Update potential solution for management requirement between MOP-NM and MOP-SR-DM | China Unicom | revised |  | S5-225817 |
| S5-225410 | pCR TR 28.835 Add key issue PLMN-related attribute requirement for operator specific IOC | China Unicom | revised |  | S5-225816 |
| S5-225411 | pCR TR 28.829 Business use case - DSO Provides Performance Reporting indicating Problems | Samsung, EUTC, BMWK, Vodafone, Telefonica, EDF | revised |  | S5-225866 |
| S5-225412 | Add potential solution for PLMN-related attribute requirement for operator specific IOC | China Unicom | revised |  | S5-225815 |
| S5-225413 | pCR TR 28.835 Add potential solutions for performance measurements without PLMN ID at NRcellCU | China Unicom, ZTE | approved |  |  |
| S5-225414 | pCR 28.912 issue#4.2.1 Intent conflicts description enhancement | CMDI | approved |  |  |
| S5-225415 | Technical Discussion on General Class Condition Enhancement | CMDI | noted |  |  |
| S5-225416 | pCR 28.912 issue#4.x General class Condition enhancement | CMDI | noted |  |  |
| S5-225417 | CR TS28.552 Add new measurement on average air-interface efficiency | China Unicom, China Telecom | not pursued |  |  |
| S5-225418 | pCR TR28.832 Add Issue on URLLC features management of configuration | China Unicom | noted |  |  |
| S5-225419 | pCR TR28.832 Add Issue on URLLC performance management on reliability | China Unicom, CATT | revised |  | S5-225808 |
| S5-225420 | support QoE metrics collection for multiple MCEs | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-225421 | pCR TR 28.912 Update issue for enhancement of radio network intent expectation | Huawei | approved |  |  |
| S5-225422 | pCR 28.830 Add clause Background | Nokia, Nokia Shanghai Bell | revised |  | S5-225713 |
| S5-225423 | pCR TR28.832 Add Solution for URLLC features management of configuration | China Unicom | noted |  |  |
| S5-225424 | Rel-18 pCR 28.826Addition of optimization on charging information accuracy | Huawei | noted |  |  |
| S5-225425 | Rel-18 pCR 28.826 Addition of Real-rate charging | Huawei | noted |  |  |
| S5-225426 | Rel-18 pCR 28.826 Addition of Threshold based re-authorization triggers optimization | Huawei | noted |  |  |
| S5-225427 | Rel-18 pCR 28.826 Addition of Usage Data Report | Huawei | noted |  |  |
| S5-225428 | Rel-18 pCR 28.827 Add new solution for FBC negotiation | Huawei | revised |  | S5-225748 |
| S5-225429 | Rel-18 pCR 28.827 Add new solution for PDU session level negotiation | Huawei | noted |  |  |
| S5-225430 | Rel-18 pCR 28.827 Add new solution for QBC trigger setting | Huawei | noted |  |  |
| S5-225431 | Rel-18 pCR 28.827 Add new solution for Roaming Charging Profile Update | Huawei | noted |  |  |
| S5-225432 | Rel-18 pCR 28.827 Add the solution of V-SMF connect to V-CHF with two charging sessions | Huawei | revised |  | S5-225751 |
| S5-225433 | Rel-18 pCR 28.827 Add the solution of V-SMF connects to V-CHF with single charging session | Huawei | revised |  | S5-225649 |
| S5-225434 | Rel-18 pCR 28.827 Add the solution V-CHF controls reporting in single charging session | Huawei | revised |  | S5-225752 |
| S5-225435 | Rel-18 pCR 28.827 Add the solution V-SMF controls reporting in single charging session | Huawei | revised |  | S5-225753 |
| S5-225436 | Rel-18 pCR 28.827 Correction on the Unified Term for NF in the HPLMN and VPLMN | Huawei | approved |  |  |
| S5-225437 | Rel-18 pCR 28.828 Add the solution for SNPN access the PLMN services | Huawei | revised |  | S5-225653 |
| S5-225438 | Rel-18 pCR 28.828 Correction on the use cases description in the Topic 1 | Huawei | approved |  |  |
| S5-225439 | Rel-18 pCR 28.828 Correction on the use cases description in the Topic 3 | Huawei | approved |  |  |
| S5-225440 | Rel-17 CR 32.291 Correction on the IPv6 address OpenAPI | Huawei | merged |  | S5-225745 |
| S5-225441 | Rel-17 CR 32.291 Correction on the ProSe OpenAPI | Huawei | not pursued |  |  |
| S5-225442 | Rel-17 CR 32.298 Correction on the Charging Identifier Uniqueness | Huawei | revised |  | S5-225770 |
| S5-225443 | Rel-17 CR 32.291 Correction on the Charging Identifier Uniqueness | Huawei | revised |  | S5-225771 |
| S5-225444 | Rel-17 CR 32.255 Correction on the Charging Identifier Uniqueness | Huawei | revised |  | S5-225772 |
| S5-225445 | Reply to: Resubmitted Reply LS on Enhancement on Charging Identifier Uniqueness Mechanism | Huawei | revised |  | S5-225761 |
| S5-225446 | Rel-17 CR 32.298 Correction on the 5G LAN VN management converged Charging | Huawei | not pursued |  |  |
| S5-225447 | Rel-17 CR 32.291 Correction on the 5G LAN VN management converged Charging | Huawei | not pursued |  |  |
| S5-225448 | Rel-17 CR 32.254 Correction on the 5G LAN VN management converged Charging | Huawei | agreed |  |  |
| S5-225449 | Rel-17 CR 32.257 Correction on reference for the EAS Deployment | Huawei | agreed |  |  |
| S5-225450 | Rel-17 CR 32.298 Correction on the EAS Deployment Requirements | Huawei | agreed |  |  |
| S5-225451 | Rel-17 CR 32.291 Correction on the EASRequirements | Huawei | agreed |  |  |
| S5-225452 | Rel-17 CR 32.291 Correction on the mapping between EC and NEF | Huawei | agreed |  |  |
| S5-225453 | Rel-17 CR 32.257 Correction on the mapping between EC and NEF | Huawei | agreed |  |  |
| S5-225454 | Rel-17 CR 32.257 Correction on the detailed message format for converged charging | Huawei | agreed |  |  |
| S5-225455 | Rel-17 CR 32.291 Add the EAS ID for EC charging | Huawei | agreed |  |  |
| S5-225456 | Rel-17 CR 32.298 Add the EAS ID for EC charging | Huawei | revised |  | S5-225746 |
| S5-225457 | Rel-17 CR 32.297 Correction on the Symbols for the Edge Computing | Huawei | agreed |  |  |
| S5-225458 | Rel-17 CR 32.298 Correction on the CHF CDR ASN.1 format | Huawei | merged |  | S5-225738 |
| S5-225459 | pCR 28.830 Add alarm related definitions | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-225460 | support QoE metrics collection for multiple MCEs | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-225461 | pCR TR28.832 Add Sulotion for URLLC performance measurements related on reliability | China Unicom | noted |  |  |
| S5-225462 | pCR TR28.832 Add Issue on support for performance management related on URLLC resource load | China Unicom, CATT | revised |  | S5-225807 |
| S5-225463 | pCR TR28.832 Add solution for support for performance measurements related on URLLC resource load | China Unicom | noted |  |  |
| S5-225464 | pCR TR 28.863 Overview - 5G KQI management | Huawei | noted |  |  |
| S5-225465 | New WID on overview and usage guide of Service Based Management (SBM) specifications | HuaWei Technologies Co., Ltd | noted |  |  |
| S5-225466 | pCR TR28.925 Add description on MnFs to be managed | HuaWei Technologies Co., Ltd | revised | S5-224161 | S5-225670 |
| S5-225467 | pCR TR28.925 Add conclusion for issue #14 | HuaWei Technologies Co., Ltd | revised |  | S5-225800 |
| S5-225468 | pCR 28.831 Add key issue: Definition of createMOI | Nokia, Nokia Shanghai Bell | revised |  | S5-225801 |
| S5-225469 | pCR 28.831 Add key issue: Definition of getMOIAttributes | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-225470 | pCR TR 28.863 Issue#1 Background description of KQI definition | Huawei | revised |  | S5-225778 |
| S5-225471 | pCR TR 28.863 Issue #1 Difference of KPI, KQI and QoE | Huawei | noted |  |  |
| S5-225472 | pCR 28.831 Modify potential requirements for key issue Targeted notification subscription | Nokia, Nokia Shanghai Bell | revised |  | S5-225806 |
| S5-225473 | pCR 28.831 Add XPath as potential solution | Nokia, Nokia Shanghai Bell | revised |  | S5-225805 |
| S5-225474 | pCR TR 28.863 Issue #3 Video uploading description | Huawei | noted |  |  |
| S5-225475 | pCR 28.831 Add special XPath considerations for JSON and YANG | Nokia, Nokia Shanghai Bell | revised |  | S5-225804 |
| S5-225476 | pCR 28.831 Add simple XPath profiles | Nokia, Nokia Shanghai Bell | revised |  | S5-225803 |
| S5-225477 | pCR TR 28.863 Issue#4 Remote controlling description | Huawei | noted |  |  |
| S5-225478 | pCR TR 28.910 Add autonomous network level for service experience optimization | Huawei | noted |  |  |
| S5-225479 | Add key issue on requirements and use cases to support multiple MnS discovery service producers | China Unicom | noted |  |  |
| S5-225480 | pCR 28.865 Add solution of service deployment related to DCSA | Huawei | noted |  |  |
| S5-225481 | pCR 28.865 Add solultion of service requirement modeling | Huawei | noted |  |  |
| S5-225482 | pCR 28.865 Add solultion of network preparation | Huawei | noted |  |  |
| S5-225483 | pCR 28.865 Add solution of service and network analysis | Huawei | noted |  |  |
| S5-225484 | pCR 28.865 Update solution of service assurance for video monitoring | Huawei | noted |  |  |
| S5-225485 | pCR 28.865 Update solution of service assurance for PLC control | Huawei | noted |  |  |
| S5-225486 | pCR 28.830 Add framework of FSEV | Huawei, China Mobile | noted |  |  |
| S5-225487 | pCR 28.830 Add interface description | Huawei, China Mobile | noted |  |  |
| S5-225488 | pCR 28.864 Update key issue for the performance measurement of the NWDAF on the interaction aspect | Chinatelecom Cloud | approved |  |  |
| S5-225489 | pCR 28.908 Add possible solutions on AIML model deployment | Huawei | noted |  |  |
| S5-225490 | pCR 28.864 Add the potential solution for the performance measurement of the NWDAF on the interaction aspect | Chinatelecom Cloud | revised |  | S5-225709 |
| S5-225491 | New key issue for the performance measurement of the NWDAF related to the analytics result generation | Chinatelecom Cloud | revised |  | S5-225708 |
| S5-225492 | Rel-18 pCR 28.xxx Update of the Reference | Huawei | approved |  |  |
| S5-225493 | Rel-18 pCR 28.xxx Update of the Scope | Huawei | revised |  | S5-225757 |
| S5-225494 | Rel-18 TR 28.xxx v0.0.0 Initial skeleton | Huawei | revised |  | S5-225756 |
| S5-225495 | Revised WID on Additional NRM features phase 2 | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-225496 | pCR TR 28.908 Add use case on AI-ML Security | Ericsson-LG Co., LTD | noted |  |  |
| S5-225497 | pCR 28.834 Add Use Case on Upgrade management of the cloud-native VNF using generic OAM functions | China Mobile Com. Corporation | noted |  |  |
| S5-225498 | Rel-18 pCR TR 28.831 Add a potential requirements for KI to Add mechanism to advertise supported NRM capabilities by the MnS Producer | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-225499 | Rel-18 pCR TR 28.831 Add a potential solution for KI to Add mechanism to advertise supported NRM capabilities by the MnS Producer | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-225500 | Adding Signalling Based Activation for NR | Ericsson Limited, Nokia | revised |  | S5-225850 |
| S5-225501 | Handling of QoE measurement collection at handover in NR | Ericsson Limited, Nokia | revised |  | S5-225849 |
| S5-225502 | pCR 28.908 Use case on Coordination of the AIML capability between 5GC/RAN and OAM node | Nokia, Nokia Shanghai Bell | revised |  | S5-225699 |
| S5-225503 | pCR 28.838 Use case on predictions alignment | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-225504 | Adding QMC job | Ericsson Limited, Nokia | agreed |  |  |
| S5-225505 | New WID on methodology for deprecation. | Ericsson | revised |  | S5-225616 |
| S5-225506 | CR 28.623 Add QMC job (stage 3, YANG) | Ericsson Inc. | revised |  | S5-225848 |
| S5-225507 | Update of the TR 28.925, due to the study being moved to Rel-18 and new proposals. | Ericsson | revised |  | S5-225799 |
| S5-225508 | pCR 28.908 Add use case on multiple AIML entity testing | CATT | noted |  |  |
| S5-225509 | pCR 28.908 Add use case on online AIML entity testing | CATT | noted |  |  |
| S5-225510 | Rel-17 CR 32.277 Editorial clean up | CATT | revised |  | S5-225739 |
| S5-225511 | Rel-17 CR 32.277 Remove editor note on 5G Direct Communication charging | CATT | agreed |  |  |
| S5-225512 | Rel-17 CR 32.298 Correction on 5G ProSe charging information to CHF CDR | CATT | revised |  | S5-225776 |
| S5-225513 | pCR Adding use case for KI#4 | China Telecom | revised |  | S5-225707 |
| S5-225514 | Rel-18 CR 28.538 add a use case for EAS discovery failure measurement | Intel Korea, Ltd. | revised |  | S5-225845 |
| S5-225515 | Rel-18 CR 28.552 add a EAS discovery failure measurement | Intel Korea, Ltd. | revised |  | S5-225844 |
| S5-225516 | Rel-18 CR 28.538 Add a procedure of EAS instantiation triggered by measurement data | Intel Korea, Ltd. | revised |  | S5-225843 |
| S5-225517 | CR Rel-17 28.104 Correction of MDA request and reporting workflow | Intel, NEC | revised |  | S5-225856 |
| S5-225518 | CR Rel-17 28.622 Generalize the ThresholdInfo data type | Intel | not pursued |  |  |
| S5-225519 | pCR 28.908 Enhance AI-ML workflow | Intel, NEC | revised |  | S5-225693 |
| S5-225520 | pCR 28.908 Add possible solution for AI-ML entity validation | Intel, NEC | approved |  |  |
| S5-225521 | pCR TS 28.912 Add Intent Reporting support | Ericsson Inc. | noted |  |  |
| S5-225522 | pCR 28.908 Add possible solution for AI-ML entity testing | Intel, NEC | revised |  | S5-225697 |
| S5-225523 | pCR 28.908 Add possible solutions for AI-ML entity deployment | Intel, NEC | noted |  |  |
| S5-225524 | pCR TR 28.833 Add detailed description for topic #3 | China Mobile E-Commerce Co. | merged |  | S5-225809 |
| S5-225525 | pCR TR 28.833 Add potential solutions for topic 3 | China Mobile E-Commerce Co. | revised |  | S5-225809 |
| S5-225526 | pCR TR 28.833 Add Annex A of UML code of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | revised |  | S5-225877 |
| S5-225527 | pCR TR 28.833 Add evaluation and conclusion for Topic 1 of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | revised |  | S5-225876 |
| S5-225528 | pCR TR 28.833 Add general description of solution 1 of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | noted |  |  |
| S5-225529 | pCR TR 28.833 Add general description of solution 2 of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | noted |  |  |
| S5-225530 | pCR TR 28.833 Add procedure of management of the PDU session of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | revised |  | S5-225875 |
| S5-225531 | pCR TR 28.833 Add evaluation and conclusion for Topic 2 of FS\_5GLAN\_Mgt of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | noted |  |  |
| S5-225532 | Rel-16 CR 32.421 Enhancement of scope regarding RCEF | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225533 | Rel-17 CR 32.421 Enhancement of scope regarding RCEF | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225534 | Rel-16 CR 32.422 Enhancement of scope regarding RCEF | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225535 | Rel-17 CR 32.422 Enhancement of scope regarding RCEF | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225536 | Rel-16 CR 32.423 Enhancement of scope regarding RCEF | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-225537 | Rel-17 CR 32.423 Enhancement of scope regarding RCEF | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-225538 | Rel-17 CR 28.623 Correction of file names in OpenAPI Solution Set | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-225539 | Rel-18 Input to draftCR 28.537 Requirements for Conditional Execution of Management Services | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-225540 | Rel-18 pCR 28.829 Add new Key Issue and Solution | Samsung Electronics Nordic AB | revised |  | S5-225865 |
| S5-225541 | Add a potential solution for KI to Add mechanism to advertise supported NRM capabilities by the MnS Producer | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-225542 | Rel-17 CR TS 28.554 Updating Packet transmission reliability KPI in DL on N3 | Samsung Electronics Nordic AB | revised |  | S5-225633 |
| S5-225543 | Rel-18 CR TS 28.554 Updating Packet transmission reliability KPI in DL on N3 | Samsung Electronics Nordic AB | revised |  | S5-225632 |
| S5-225544 | Rel-16 CR 28.623 Correction of attribute names according to Upper Camel Case Convention and WKA | Nokia, Nokia Shanghai Bell, Ericsson | agreed |  |  |
| S5-225545 | Rel-17 CR 28.623 Correction of attribute names according to Upper Camel Case Convention and WKA | Nokia, Nokia Shanghai Bell, Ericsson | agreed |  |  |
| S5-225546 | Discussion paper on asynchronous operations support for network slicing | L.M. Ericsson Limited | noted |  |  |
| S5-225547 | Add asynchronous network slicing provisioning procedures | L.M. Ericsson Limited, Deutsche Telekom | not pursued |  |  |
| S5-225548 | Add Job IOCs for asynchronous network slicing provisioning procedures | L.M. Ericsson Limited, Deutsche Telekom | not pursued |  |  |
| S5-225549 | Add use case and requirement for obtaining network slice subnet capability information | L.M. Ericsson Limited, Deutsche Telekom | not pursued |  |  |
| S5-225550 | Specify network slicing provisioning rules requirements | L.M. Ericsson Limited, Deutsche Telekom | not pursued |  |  |
| S5-225551 | pCR TR 28.913 Potential solution No.2, conclusion and recommendation for KI #1 | Huawei Technologies France | revised |  | S5-225862 |
| S5-225552 | Add network slice rules to NRM | L.M. Ericsson Limited, Deutsche Telekom | not pursued |  |  |
| S5-225553 | Rel-17 CR TS 28.105 Clarifications and corrections of Use cases | NEC, Intel | revised |  | S5-225629 |
| S5-225554 | Discussion paper on study intent driven management for network slicing | L.M. Ericsson Limited | withdrawn |  |  |
| S5-225555 | Add new formula for the estimation of the energy consumption | Huawei Technologies France | not pursued |  |  |
| S5-225556 | Rel-18 pCR 28.913 – New Key Issue for Energy Efficiency of a URLLC network slice based on reliability | Samsung Electronics Nordic AB | revised |  | S5-225861 |
| S5-225557 | Discussion paper on state management and network slicing | L.M. Ericsson Limited | not pursued |  |  |
| S5-225558 | Clarify and update state management for network slicing | L.M. Ericsson Limited | not pursued |  |  |
| S5-225559 | Clarify and update state management for network slicing | L.M. Ericsson Limited | not pursued |  |  |
| S5-225560 | Clarify and update state management for network slicing | L.M. Ericsson Limited | not pursued |  |  |
| S5-225561 | Clarify and update state management for network slicing | L.M. Ericsson Limited | not pursued |  |  |
| S5-225562 | Add missing tags in stage 3 | L.M. Ericsson Limited | revised |  | S5-225628 |
| S5-225563 | Remove example from network slice subnet instance modification | L.M. Ericsson Limited | revised |  | S5-225627 |
| S5-225564 | Remove example from network slice subnet instance modification | L.M. Ericsson Limited | revised |  | S5-225626 |
| S5-225565 | Remove example from network slice instance modification | L.M. Ericsson Limited | revised |  | S5-225625 |
| S5-225566 | Rel-17 CR TS 28.105 Clarifications and corrections into the Class definitions and Attribute properties | NEC, Intel | revised |  | S5-225630 |
| S5-225567 | Remove example from network slice instance modification | L.M. Ericsson Limited | revised |  | S5-225624 |
| S5-225568 | Rel-17 CR TS 28.105 Correction and clarifications of the Requirements | NEC, Intel | revised |  | S5-225631 |
| S5-225569 | Correct role in network slice subnet allocation use case | L.M. Ericsson Limited | revised |  | S5-225622 |
| S5-225570 | Correct role in network slice subnet allocation use case | L.M. Ericsson Limited, Deutsche Telekom | revised |  | S5-225621 |
| S5-225571 | Clarify 3GPP management system capability requirement | L.M. Ericsson Limited, Deutsche Telekom | revised |  | S5-225623 |
| S5-225572 | Clarify network slice subnet configuration use case and requirement | L.M. Ericsson Limited | not pursued |  |  |
| S5-225573 | Clarify network slice subnet configuration use case and requirement | L.M. Ericsson Limited | not pursued |  |  |
| S5-225574 | Clarify translation in network slice allocation use case | L.M. Ericsson Limited | revised |  | S5-225620 |
| S5-225575 | Clarify capacity planning use case and requirement | L.M. Ericsson Limited | merged |  | S5-225829 |
| S5-225576 | Clarification and update of deallocation use case | L.M. Ericsson Limited | not pursued |  |  |
| S5-225577 | Clarification and update of deallocation use case | L.M. Ericsson Limited | not pursued |  |  |
| S5-225578 | Discussion paper on basic concepts in FSEV study | China Mobile, Huawei | noted |  |  |
| S5-225579 | pCR TR 28.830 Add background | China Mobile, Huawei | noted |  |  |
| S5-225580 | pCR TR 28.830 Add relation description with existing MnS | China Mobile, Huawei | noted |  |  |
| S5-225581 | pCR TR 28.830 Add description of key issue service outage | China Mobile, Huawei | noted |  |  |
| S5-225582 | pCR TR 28.830 Add description of key issue performance degradation | China Mobile, Huawei | noted |  |  |
| S5-225583 | pCR TR 28.830 Add description of key issue 5GC service failure prediction | China Mobile, Huawei | noted |  |  |
| S5-225584 | pCR TR 28.830 Add solution of key issue service outage | China Mobile, Huawei | noted |  |  |
| S5-225585 | pCR TR 28.830 Add solution of key issue performance degradation | China Mobile, Huawei | noted |  |  |
| S5-225586 | pCR TR 28.830 Add solution of key issue 5GC service failure prediction | China Mobile, Huawei | noted |  |  |
| S5-225587 | pCR 28.909 Add ANLS evaluation of autonomous network | ZTE Corporation,China Mobile | not treated |  |  |
| S5-225588 | Rel-17 CR for TS32.130 delete redundant figure | ZTE Corporation | not treated |  |  |
| S5-225589 | Rel-17 CR for TS28.540 editorialCorrections | ZTE Corporation | not treated |  |  |
| S5-225590 | Rel-17 CR for TS28.552 Correct Mean and Max Time of requested conditional handover executions | ZTE Corporation | not treated |  |  |
| S5-225591 | pCR TR 28.835 Add issue and potential solution for collection of operator specific performance measurements | ZTE Corporation | not treated |  |  |
| S5-225592 | Forge Usage Guide for Charging Management | Huawei | endorsed |  |  |
| S5-225593 | working procedures on FORGE process | Huawei | revised |  | S5-225610 |
| S5-225594 | Forge to become the main source of code | Nokia | endorsed | - | - |
| S5-225595 | Moving all code to Git and Remove it from MsWord | Ericsson | endorsed | - | - |
| S5-225596 | LS/r on Use cases for Autonomous Networks (reply to 3GPP TSG SA5--222560-LS34) | ITU-T SG13 | noted | - | - |
| S5-225597 | LS on 3GPP SA5 work on intent-driven management S5-224343 | TM Forum | noted | - | - |
| S5-225598 | LS on UE to application server latency | GSMA OPG | postponed | - | - |
| S5-225599 | Reply to: LS on initiation new work item M.fidtom: ""Framework of intent driven telecom operation and management"" | Huawei | approved | - | - |
| S5-225600 | Rel-17 CR 28.541 Correction to coverageAreaTAList | Huawei | agreed | - | - |
| S5-225601 | Rel-17 CR 28.622 Correcting Support Qualifier for jobId attribute | Nokia, Nokia Shanghai Bell | agreed | - | - |
| S5-225602 | Reply to: LS on O-RAN – UML models and tools to be used by 3GPP SA5 | Samsung | approved | - | - |
| S5-225603 | LS on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541 | Samsung | noted | - | - |
| S5-225604 | Reply to: Resubmitted Liaison Response to 3GPP TSG-SA5 for Network  Slice Ordering, Provisioning & Assurance | current meeting | approved | - | - |
| S5-225605 | Rel-15 CR TS 28.531 Remove example from network slice subnet instance modification | Ericsson | agreed | - | - |
| S5-225606 | Rel-15 CR TS 28.531 Remove example from network slice instance modification | Ericsson | agreed | - | - |
| S5-225607 | Correction on NG-RAN activation mechanism | Ericsson Limited | agreed | S5-225351 | - |
| S5-225608 | Correction on NG-RAN activation mechanism | Ericsson | agreed | S5-225350 | - |
| S5-225609 | Input to working procedures on FORGE process | Nokia, Nokia Shanghai Bell | approved | S5-225073 | - |
| S5-225610 | working procedures on FORGE process | Huawei | endorsed | S5-225593 | - |
| S5-225611 | e-meeting process | WG Chair | noted | S5-225002 | - |
| S5-225612 | SA5 meeting calendar | WG Chair | noted | S5-225015 | - |
| S5-225614 | Reply LS on Report Amount for M4, M5, M6 and M7 measurements | Huawei | approved | S5-225187 | - |
| S5-225615 | Reply LS on LS/r on methodology harmonization update | Ericsson Hungary Ltd | approved | S5-225206 | - |
| S5-225616 | New WID on methodology for deprecation. | Ericsson | agreed | S5-225505 | - |
| S5-225617 | Study on Data Management | Nokia, Nokia Shanghai Bell | agreed | S5-225376 | - |
| S5-225618 | Rel-17 CR TS 28.313 align the discription between TS 28.541 for CSON PCI configuration | Huawei | agreed | S5-225388 | - |
| S5-225620 | Clarify translation in network slice allocation use case | L.M. Ericsson Limited | agreed | S5-225574 | - |
| S5-225621 | Correct role in network slice subnet allocation use case | L.M. Ericsson Limited, Deutsche Telekom | agreed | S5-225570 | - |
| S5-225622 | Correct role in network slice subnet allocation use case | L.M. Ericsson Limited | agreed | S5-225569 | - |
| S5-225623 | Clarify 3GPP management system capability requirement | L.M. Ericsson Limited, Deutsche Telekom | agreed | S5-225571 | - |
| S5-225624 | Remove example from network slice instance modification | L.M. Ericsson Limited | agreed | S5-225567 | - |
| S5-225625 | Remove example from network slice instance modification | L.M. Ericsson Limited | agreed | S5-225565 | - |
| S5-225626 | Remove example from network slice subnet instance modification | L.M. Ericsson Limited | agreed | S5-225564 | - |
| S5-225627 | Remove example from network slice subnet instance modification | L.M. Ericsson Limited | agreed | S5-225563 | - |
| S5-225628 | Add missing tags in stage 3 | L.M. Ericsson Limited | agreed | S5-225562 | - |
| S5-225629 | Rel-17 CR TS 28.105 Clarifications and corrections of Use cases | NEC, Intel | agreed | S5-225553 | - |
| S5-225630 | Rel-17 CR TS 28.105 Clarifications and corrections into the Class definitions and Attribute properties | NEC, Intel | agreed | S5-225566 | - |
| S5-225631 | Rel-17 CR TS 28.105 Correction and clarifications of the Requirements | NEC, Intel | agreed | S5-225568 | - |
| S5-225632 | Rel-18 CR TS 28.554 Updating Packet transmission reliability KPI in DL on N3 | Samsung Electronics Nordic AB | agreed | S5-225543 | - |
| S5-225633 | Rel-17 CR TS 28.554 Updating Packet transmission reliability KPI in DL on N3 | Samsung Electronics Nordic AB | agreed | S5-225542 | - |
| S5-225634 | Rel-17 CR 32.158 Clarify HTTP POST and HTTP PUT response message format | Nokia, Nokia Shanghai Bell | agreed | S5-225384 | - |
| S5-225635 | Rel-16 CR 32.158 Clarify HTTP POST and HTTP PUT response message format | Nokia, Nokia Shanghai Bell | agreed | S5-225383 | - |
| S5-225636 | Rel-17 CR 32.158 Clarify only leaf resources can be created | Nokia, Nokia Shanghai Bell | agreed | S5-225382 | - |
| S5-225637 | Rel-16 CR 32.158 Clarify only leaf resources can be created | Nokia, Nokia Shanghai Bell | agreed | S5-225381 | - |
| S5-225638 | Rel-17 CR 32.158 Clarify concept of MnS root | Nokia, Nokia Shanghai Bell | agreed | S5-225380 | - |
| S5-225639 | Rel-16 CR 32.158 Clarify concept of MnS root | Nokia, Nokia Shanghai Bell | agreed | S5-225379 | - |
| S5-225640 | Rel-17 CR 32.158 Align examples for DNs and URIs in clause 4.2 with object class naming conventions | Nokia, Nokia Shanghai Bell | agreed | S5-225378 | - |
| S5-225641 | Rel-16 CR 32.158 Align examples for DNs and URIs in clause 4.2 with object class naming conventions | Nokia, Nokia Shanghai Bell | agreed | S5-225377 | - |
| S5-225642 | Rel-17 CR 28.622 Include already approved changes or enhancements of attribute properties for IOC ManagementDataCollection | Nokia, Nokia Shanghai Bell | agreed | S5-225335 | - |
| S5-225643 | Rel-17 CR 28.552 Clarification of inter-system too early and too late handover failures and unnecessary handovers for inter-system mobility | Nokia, Nokia Shanghai Bell | agreed | S5-225326 | - |
| S5-225644 | Rel-17 CR 32.274 Correcting session and charging identifiers | Ericsson LM | agreed | S5-225267 | - |
| S5-225646 | Rel-17 CR 32.291 Correcting missing user location mapping to ASN.1 | Ericsson LM | agreed | S5-225275 | - |
| S5-225647 | Rel-18 pCR 28.828 Addition of solution for converged charging for number of UEs | Ericsson LM | approved | S5-225306 | - |
| S5-225649 | Rel-18 pCR 28.827 Add the solution of V-SMF connects to V-CHF with single charging session | Huawei | approved | S5-225433 | - |
| S5-225651 | Rel-18 pCR 32.847 Convert the Key issue#9 into background | MATRIXX Software | approved | S5-225403 | - |
| S5-225652 | Rel-18 pCR 28.828 Add end user charging solution to SNPN network access and usage | China Mobile | approved | S5-225185 | - |
| S5-225653 | Rel-18 pCR 28.828 Add the solution for SNPN access the PLMN services | Huawei | approved | S5-225437 | - |
| S5-225655 | Latest draft TR 28.909 | China Mobile | withdrawn | - | - |
| S5-225656 | Latest draft TR 28.910 | China Mobile | approved | - | - |
| S5-225657 | Latest draft TR 28.912 | Huawei | approved | - | - |
| S5-225659 | Latest draft TR 28.908 | Intel | approved | - | - |
| S5-225660 | Latest draft TR 28.864 | China telecom | approved | - | - |
| S5-225661 | Latest draft TR 28.830 | China Mobile | approved | - | - |
| S5-225663 | Latest draft TR 28.925 | Huawei | approved | - | - |
| S5-225664 | Latest draft TR 28.831 | Nokia | approved | - | - |
| S5-225665 | Latest draft TR 28.832 | China unicom | approved | - | - |
| S5-225666 | Latest draft TR 28.833 | China Mobile | approved | - | - |
| S5-225667 | Latest draft TR 28.834 | China Mobile | approved | - | - |
| S5-225668 | Latest draft TR 28.835 | China Unicom | approved | - | - |
| S5-225669 | Latest draft TR 28.837 | Nokia | approved | - | - |
| S5-225670 | pCR TR28.925 Add description on MnFs to be managed | HuaWei Technologies Co., Ltd | approved | S5-225466 | - |
| S5-225671 | Latest draft TR 28.841 | China Unicom | approved | - | - |
| S5-225672 | Latest draft TR 28.907 | Huawei | approved | - | - |
| S5-225673 | Latest draft TR 28.913 | Huawei | approved | - | - |
| S5-225674 | Latest draft TR 28.829 | Samsung | approved | - | - |
| S5-225675 | Latest draft TR 28.863 | Huawei | approved | - | - |
| S5-225676 | Latest draft TR 28.865 | Huawei | withdrawn | - | - |
| S5-225677 | Latest draft TR 28.824 | Alibaba | approved | - | - |
| S5-225678 | Latest draft TR 28.903 | Huawei | approved | - | - |
| S5-225679 | pCR 28.910 Add introduction on relevant SI/WI in 3GPP | China Mobile, Huawei | approved | S5-225308 | - |
| S5-225680 | pCR 28.912 Potential solution on Intent conflicts | Nokia Italy | approved | S5-225056 | - |
| S5-225681 | pCR 28.912 Add potential solutions for intent conflict | China Mobile E-Commerce Co. | approved | S5-225372 | - |
| S5-225682 | pCR TR 28.912 add potential solution for 5GC fault management | Huawei | approved | S5-225236 | - |
| S5-225683 | pCR TR 28.912 add potential solution for 5GC optimization | Huawei | approved | S5-225235 | - |
| S5-225684 | pCR 28.912 Add key issue for intent execution monitoring | China Mobile E-Commerce Co. | approved | S5-225375 | - |
| S5-225685 | pCR TR28.912 Key issue on enablers for Intent Fulfillment | Nokia Italy | approved | S5-225057 | - |
| S5-225686 | Add key issue for intent feasibility check | AsiaInfo Technologies Inc | approved | S5-225367 | - |
| S5-225687 | pCR TR 28.912 Add issue for Intent handling capability obtaining | Huawei, Deutsche Telekom | approved | S5-225201 | - |
| S5-225688 | pCR TR 28.912 Add issue for enhencement of generic intent information model definition | Huawei, Deutsche Telekom | approved | S5-225199 | - |
| S5-225689 | pCR TR28.912 use case on Intent to AIML Capability Mapping | Nokia Italy | approved | S5-225058 | - |
| S5-225690 | pCR 28.912 Solution on AIMLEntity Capability Discovery and mapping | Nokia Italy | approved | S5-225060 | - |
| S5-225691 | pCR 28.912 Intent driven SON orchestration | Nokia Italy | approved | S5-225059 | - |
| S5-225692 | pCR TR 28.912 Add TMF procedure mappings | Ericsson Inc. | approved | S5-225318 | - |
| S5-225693 | pCR 28.908 Enhance AI-ML workflow | Intel, NEC | approved | S5-225519 | - |
| S5-225694 | pCR 28.908 Potential solution on AIML Inference History | Nokia Italy | approved | S5-225036 | - |
| S5-225695 | pCR TR28.908 Potential Solution on AIMLEntity Capability Discovery | Nokia Italy | approved | S5-225035 | - |
| S5-225696 | pCR TR28.908 clarification on AIMLEntity Capability Mapping | Nokia Italy | approved | S5-225034 | - |
| S5-225697 | pCR 28.908 Add possible solution for AI-ML entity testing | Intel, NEC | approved | S5-225522 | - |
| S5-225698 | pCR TR 28.908 Add possible solution on AI-ML model update | Huawei | approved | S5-225391 | - |
| S5-225699 | pCR 28.908 Use case on Coordination of the AIML capability between 5GC/RAN and OAM node | Nokia, Nokia Shanghai Bell | approved | S5-225502 | - |
| S5-225700 | pCR TR 28.908 Add use case on AI-ML model configuration | Huawei, Deutsche Telekom | approved | S5-225390 | - |
| S5-225701 | pCR TR28.908 Usecase on Abstract AIML Behavior | Nokia Italy | approved | S5-225053 | - |
| S5-225702 | pCR TR28.908 usecase on impacts of AIML inference actions | Nokia Italy | approved | S5-225052 | - |
| S5-225703 | pCR TR28.908 Usecase on ML GRADUAL ACTIVATION | Nokia Italy | approved | S5-225046 | - |
| S5-225704 | pCR TR28.908 Requirements on Mobility of AIML Context | Nokia Italy | approved | S5-225048 | - |
| S5-225705 | pCR TR28.908 Potential solutions on AIML context | Nokia Italy | approved | S5-225047 | - |
| S5-225706 | pCR TR28.908 Usecase on Producer Initiated AIML Training | Nokia Italy | approved | S5-225044 | - |
| S5-225707 | pCR Adding use case for KI#4 | China Telecom | approved | S5-225513 | - |
| S5-225708 | New key issue for the performance measurement of the NWDAF related to the analytics result generation | Chinatelecom Cloud | approved | S5-225491 | - |
| S5-225709 | pCR 28.864 Add the potential solution for the performance measurement of the NWDAF on the interaction aspect | Chinatelecom Cloud | approved | S5-225490 | - |
| S5-225710 | pCR TR 28.864 Add potential solution related with number of subscriptions and notifications for NWDAF Data Collection | China Mobile E-Commerce Co. | approved | S5-225368 | - |
| S5-225711 | pCR TR28.864 Key issue on NWDAF Analytics-related Timing | Nokia Italy | approved | S5-225152 | - |
| S5-225712 | pCR 28.864 Potential solution on service usage of NWDAF | Nokia Italy | approved | S5-225054 | - |
| S5-225713 | pCR 28.830 Add clause Background | Nokia, Nokia Shanghai Bell | approved | S5-225422 | - |
| S5-225714 | CH agenda and time plan | WG vice Chair (Matrixx Software) | noted | S5-225008 | - |
| S5-225715 | Draft TR 32.847 | MATRIXX Software | approved | - | - |
| S5-225716 | Draft TR 28.826 | Ericsson | approved | - | - |
| S5-225717 | Draft TR 28.827 | Ericsson | approved | - | - |
| S5-225718 | Draft TR 28.828 | China Mobile | approved | - | - |
| S5-225719 | Draft TR 28.XXX | Huawei | approved | - | - |
| S5-225720 | Rel-18 CR 32.290 Addition of MMS relay and server | Ericsson LM | agreed | S5-225288 | - |
| S5-225721 | Rel-18 CR 32.270 Addition of converged charging architecture | Ericsson LM | agreed | S5-225289 | - |
| S5-225722 | Rel-18 CR 32.270 Addition of converged charging scenarios | Ericsson LM | agreed | S5-225290 | - |
| S5-225723 | Rel-18 CR 32.270 Addition of converged charging information | Ericsson LM | agreed | S5-225291 | - |
| S5-225724 | Rel-18 CR 32.240 Adding new consumer for MMS in Charging Architecture | Amdocs Software Systems Ltd,Ericsson LM, MATRIXX Software | agreed | - | - |
| S5-225725 | Rel-18 pCR 32.847 Solve Editor's Note on solution#1.1 | MATRIXX Software | approved | S5-225124 | - |
| S5-225726 | Rel-18 pCR 32.847 Solve Editors Notes on solutions#6.2 | MATRIXX Software | approved | S5-225401 | - |
| S5-225727 | Rel-18 pCR 32.847 Solve Editor’s Note on clause 4.1 | MATRIXX Software | approved | S5-225129 | - |
| S5-225728 | Rel-18 pCR 32.847 New NSACF (CTF) - NS quota management solution for Key issue#1 | MATRIXX Software | approved | S5-225126 | - |
| S5-225729 | Rel-18 pCR 32.847 Solve Editors Note on Key Issue #5 | MATRIXX Software | approved | S5-225406 | - |
| S5-225730 | Rel-18 pCR 28.827 Adding use case in clause 7.4 where there are multiple additional actors | Ericsson LM | approved | S5-225301 | - |
| S5-225731 | Rel-16 CR 32.291 Update OpenAPI version | Huawei | agreed | - | - |
| S5-225732 | Rel-17 CR 32.291 Update OpenAPI version | Huawei | agreed | - | - |
| S5-225733 | Presentation of TR 28.826 for Information | Ericsson | approved | - | - |
| S5-225734 | Rel-18 pCR 28.827 Update of business roles | Ericsson LM | approved | S5-225305 | - |
| S5-225735 | Discussion Paper on Charging ID Uniqueness | Huawei | noted | - | - |
| S5-225736 | Rel-18 pCR 32.847 Evaluation and conclusion for Key issue#2 | MATRIXX Software | approved | S5-225400 | - |
| S5-225737 | Rel-17 CR 32.277 Correction on the name of interface for usage information collection | CATT | agreed | - | - |
| S5-225738 | Rel-17 CR 32.298 Correction ASN.1 check | Ericsson LM,Huawei | agreed | S5-225274 | - |
| S5-225739 | Rel-17 CR 32.277 Editorial clean up | CATT | agreed | S5-225510 | - |
| S5-225740 | Rel-17 CR 32.291 Correcting missing CIoT indicators in yaml | Ericsson LM | agreed | S5-225276 | - |
| S5-225741 | Rel-17 CR 32.291 Adding missing NodeFunctionality value for IMS | Amdocs Software Systems Ltd, Ericsson | agreed | S5-225082 | - |
| S5-225742 | Rel-17 CR 32.291 Alignment between IMSNodeFunctionality description and YAML | Amdocs Software Systems Ltd | agreed | S5-225083 | - |
| S5-225743 | Rel-17 CR 32.255 Correction on Home Provided Charging Id and Roaming Charging Profile | China Mobile M2M Company Ltd. | agreed | S5-225211 | - |
| S5-225744 | Rel-16 CR 32.291 Correction of IPv6 prefixes in PDU address | Ericsson LM, Huawei | agreed | S5-225265 | - |
| S5-225745 | Rel-17 CR 32.291 Correction of IPv6 prefixes in PDU address | Ericsson LM,Huawei | agreed | S5-225266 | - |
| S5-225746 | Rel-17 CR 32.298 Add the EAS ID for EC charging | Huawei | agreed | S5-225456 | - |
| S5-225748 | Rel-18 pCR 28.827 Add new solution for FBC negotiation | Huawei | approved | S5-225428 | - |
| S5-225751 | Rel-18 pCR 28.827 Add the solution of V-SMF connect to V-CHF with two charging sessions | Huawei | approved | S5-225432 | - |
| S5-225752 | Rel-18 pCR 28.827 Add the solution V-CHF controls reporting in single charging session | Huawei | approved | S5-225434 | - |
| S5-225753 | Rel-18 pCR 28.827 Add the solution V-SMF controls reporting in single charging session | Huawei | approved | S5-225435 | - |
| S5-225754 | Rel-18 pCR 28.826 Adding potential solution for locating cancel failed event | Amdocs Software Systems Ltd | approved | S5-225348 | - |
| S5-225755 | Rel-18 pCR 32.847 Solve Editors Notes on solutions#1.3 | MATRIXX Software | approved | S5-225125 | - |
| S5-225756 | Rel-18 TR 28.xxx v0.0.0 Initial skeleton | Huawei | approved | S5-225494 | - |
| S5-225757 | Rel-18 pCR 28.xxx Update of the Scope | Huawei | approved | S5-225493 | - |
| S5-225758 | Presentation of TR 28.828 for Information | China Mobile | approved | - | - |
| S5-225760 | Rel-17 CR 32.298 Correction missing V-SMF | Ericsson LM | agreed | S5-225280 | - |
| S5-225761 | Reply to: Resubmitted Reply LS on Enhancement on Charging Identifier Uniqueness Mechanism | Huawei | approved | S5-225445 | - |
| S5-225762 | Rel-18 pCR 32.847 Evaluation and conclusion for Key issue#1 | MATRIXX Software | approved | S5-225127 | - |
| S5-225763 | Rel-18 pCR 32.847 New NSACF (CTF) - NS quota management solution for Key issue#2 | MATRIXX Software | approved | S5-225128 | - |
| S5-225764 | Rel-18 pCR 28.828 Introduction of use case and solution on number of UEs | China Mobile | approved | S5-225186 | - |
| S5-225765 | Rel-18 pCR 28.828 Adding solution on number of PDU sessions for PNI-NPN | China Mobile | approved | S5-225189 | - |
| S5-225766 | Rel-18 pCR 28.828 Adding solution on number of PDU sessions for SNPN | China Mobile | approved | S5-225191 | - |
| S5-225768 | Rel-17 CR 32.291 Correction of use QMI in notify | Ericsson LM | agreed | S5-225272 | - |
| S5-225770 | Rel-17 CR 32.298 Correction on the Charging Identifier Uniqueness | Huawei | agreed | S5-225442 | - |
| S5-225771 | Rel-17 CR 32.291 Correction on the Charging Identifier Uniqueness | Huawei | agreed | S5-225443 | - |
| S5-225772 | Rel-17 CR 32.255 Correction on the Charging Identifier Uniqueness | Huawei | agreed | S5-225444 | - |
| S5-225774 | Rel-17 CR 32.240 Introduction of Reference point representation for Converged Charging | MATRIXX Software,Ericsson | agreed | S5-225084 | - |
| S5-225775 | LS on Reference point allocation to support charging services | MATRIXX Software | approved | - | - |
| S5-225776 | Rel-17 CR 32.298 Correction on 5G ProSe charging information to CHF CDR | CATT | agreed | S5-225512 | - |
| S5-225777 | Rel-18 pCR 28.826 Adding solution for non-blocking mode change using PCF | Ericsson LM | approved | S5-225293 | - |
| S5-225778 | pCR TR 28.863 Issue#1 Background description of KQI definition | Huawei | approved | S5-225470 | - |
| S5-225784 | Rel-16 CR 28.552 Clarification of inter-system too early and too late handover failures and unnecessary handovers for inter-system mobility | Nokia, Nokia Shanghai Bell | agreed | S5-225325 | - |
| S5-225785 | Rel-17 CR 28.313 Correction of intra-RAT and inter-RAT too early and too late handover failures description | Nokia, Nokia Shanghai Bell | agreed | S5-225324 | - |
| S5-225786 | Rel-16 CR 28.313 Correction of intra-RAT and inter-RAT too early and too late handover failures description | Nokia, Nokia Shanghai Bell | agreed | S5-225323 | - |
| S5-225787 | Rel-17 CR 28.541 Correction to coverageAreaTAList | Huawei | agreed | S5-225229 | - |
| S5-225788 | Rel-18 CR 28.541 update EASDF IOC | Huawei | agreed | S5-225226 | - |
| S5-225789 | Rel-17 CR 28.541 update EASDF IOC | Huawei | agreed | S5-225225 | - |
| S5-225790 | Rel-17 CR 28.623 adding missing interface for SMF | Huawei | agreed | S5-225224 | - |
| S5-225791 | Rel-16 CR 28.623 adding missing interface for SMF | Huawei | agreed | S5-225223 | - |
| S5-225792 | Rel-17 CR TS 28.310 Solutions to calculate the energy consumption of PNF/VNF/VNFCs | Huawei Technologies France | agreed | S5-225222 | - |
| S5-225793 | Rel-17 CR TS 28.554 Correct 5G energy consumption definitions | Huawei Technologies France | agreed | S5-225221 | - |
| S5-225794 | fix incorrect yaml file name in TS28.104 | Nokia, Nokia Shanghai Bell | agreed | S5-225360 | - |
| S5-225795 | fix incorrect yaml file name in TS28.105 | Nokia, Nokia Shanghai Bell | agreed | S5-225359 | - |
| S5-225796 | Rel-17 CR TS 28.531 Update feasibility check procedure to align with FeasibilityCheckAndReservationJob | Huawei | agreed | S5-225143 | - |
| S5-225797 | Rel-18 CR TS 28.541 Update stage2 and stage3 definition for FeasibilityCheckAndReservationJob | Huawei | agreed | S5-225142 | - |
| S5-225798 | Rel-17 CR TS 28.623 Report Amount for M4, M5, M6 and M7 measurements in LTE | China Telecomunication Corp., Huawei | approved | - | - |
| S5-225799 | Update of the TR 28.925, due to the study being moved to Rel-18 and new proposals. | Ericsson | approved | S5-225507 | - |
| S5-225800 | pCR TR28.925 Add conclusion for issue #14 | HuaWei Technologies Co., Ltd | approved | S5-225467 | - |
| S5-225801 | pCR 28.831 Add key issue: Definition of createMOI | Nokia, Nokia Shanghai Bell | approved | S5-225468 | - |
| S5-225802 | pCR TR28.908 usecase on Orchestrating AIML inference | Nokia Italy | approved | S5-225045 | - |
| S5-225803 | pCR 28.831 Add simple XPath profiles | Nokia, Nokia Shanghai Bell | approved | S5-225476 | - |
| S5-225804 | pCR 28.831 Add special XPath considerations for JSON and YANG | Nokia, Nokia Shanghai Bell | approved | S5-225475 | - |
| S5-225805 | pCR 28.831 Add XPath as potential solution | Nokia, Nokia Shanghai Bell | approved | S5-225473 | - |
| S5-225806 | pCR 28.831 Modify potential requirements for key issue Targeted notification subscription | Nokia, Nokia Shanghai Bell | approved | S5-225472 | - |
| S5-225807 | pCR TR28.832 Add Issue on support for performance management related on URLLC resource load | China Unicom, CATT | approved | S5-225462 | - |
| S5-225808 | pCR TR28.832 Add Issue on URLLC performance management on reliability | China Unicom, CATT | approved | S5-225419 | - |
| S5-225809 | pCR TR 28.833 Add potential solutions for topic 3 | China Mobile E-Commerce Co. | approved | S5-225525 | - |
| S5-225810 | pCR TR 28.833 add potential solution of SMF configuration | Huawei | approved | S5-225246 | - |
| S5-225811 | pCR TR 28.833 Add key issue for topic 4 | China Mobile E-Commerce Co. | approved | S5-225373 | - |
| S5-225812 | pCR 28.834 Add Use Case on software modification of the cloud-native VNF | AsiaInfo Technologies Inc | approved | S5-225371 | - |
| S5-225813 | pCR 28.834 Add use case for NF creation as cloud native VNF | Huawei | approved | S5-225245 | - |
| S5-225814 | pCR 28.834 Add concepts and background | Microsoft, China Mobile | approved | S5-225154 | - |
| S5-225815 | Add potential solution for PLMN-related attribute requirement for operator specific IOC | China Unicom | approved | S5-225412 | - |
| S5-225816 | pCR TR 28.835 Add key issue PLMN-related attribute requirement for operator specific IOC | China Unicom | approved | S5-225410 | - |
| S5-225817 | pCR TR 28.835 Update potential solution for management requirement between MOP-NM and MOP-SR-DM | China Unicom | approved | S5-225409 | - |
| S5-225818 | pCR 28.907 Potential solution for satisfying resource isolation demand for Smart Grid Utilities | Huawei | approved | S5-225162 | - |
| S5-225819 | Rel17\_CR\_32422\_Report Amount for M4, M5, M6 and M7 measurements in LTE | Nokia, Nokia Shanghai Bell | approved | - | - |
| S5-225820 | Rel17\_CR\_28622\_Report Amount for M4, M5, M6 and M7 measurements in LTE | Nokia, Nokia Shanghai Bell | approved | - | - |
| S5-225821 | Rel-18 CR TS28.541 Correction to serviceType attribute | Nokia, Nokia Shanghai Bell | agreed | S5-225093 | - |
| S5-225822 | Rel-17 CR TS28.541 Correction to serviceType attribute | Nokia, Nokia Shanghai Bell | agreed | S5-225092 | - |
| S5-225823 | Rel17\_CR\_28104\_Rectifying attribute properties for coverage problem analysis | Nokia, Nokia Shanghai Bell | agreed | S5-225097 | - |
| S5-225825 | TS28.541 Rel-18 fix inconsistency in AMFFunction stage 2 and stage 3 | Nokia, Nokia Shanghai Bell | agreed | S5-225072 | - |
| S5-225826 | TS 28.541 Rel-17 fix inconsistency in AMFFunction stage 2 and stage 3 | Nokia, Nokia Shanghai Bell | agreed | S5-225071 | - |
| S5-225827 | TS28.541 Rel-18 FiveQICharacteristics inheritance issue and reference issue in stage 3 | Nokia, Nokia Shanghai Bell | agreed | S5-225070 | - |
| S5-225828 | TS28.541 Rel-17 FiveQICharacteristics inheritance issue and reference issue in stage 3 | Nokia, Nokia Shanghai Bell | agreed | S5-225069 | - |
| S5-225829 | Rel-17 CR 28.531 Deleting capacity planning use case | Samsung R&D Institute UK | agreed | S5-225132 | - |
| S5-225830 | Rel-18 CR TS 28.541 Update NWDAFFunction IOC to support management and control purpose | Huawei | agreed | S5-225197 | - |
| S5-225831 | Rel-18 CR 28.541 Add BWP set support to NRM (Stage3, YAML) | Huawei | agreed | S5-225196 | - |
| S5-225832 | Rel-18 28.541 Add BWP set support to NRM (stage 2) | Ericsson Inc. | agreed | S5-225122 | - |
| S5-225833 | Rel-18 Input to draftCR 28.623 Introduce Condition Monitor and enhance PerfMetricJob to allow that service is executed only if conditions are satisfied (stage 2) | Nokia, Nokia Shanghai Bell | approved | S5-225332 | - |
| S5-225834 | Rel-18 Input to draftCR 28.622 Introduce Condition Monitor and enhance PerfMetricJob to allow that service is executed only if conditions are satisfied (stage 2) | Nokia, Nokia Shanghai Bell | approved | S5-225331 | - |
| S5-225835 | Rel-18 Input to draftCR 28.623 Modification and Correction of Scheduler IOC (stage 2) | Nokia, Nokia Shanghai Bell | approved | S5-225328 | - |
| S5-225836 | Rel-18 Input to draftCR 28.622 Modification and Correction of Scheduler IOC (stage 2) | Nokia, Nokia Shanghai Bell | approved | S5-225327 | - |
| S5-225837 | TS28.541 Rel-18 NRM enhancements for UDRFunction | Nokia, Nokia Shanghai Bell | agreed | S5-225066 | - |
| S5-225838 | TS28.541 Rel-18 NRM enhancements for UDMFunction | Nokia, Nokia Shanghai Bell | agreed | S5-225065 | - |
| S5-225839 | TS28.541 Rel-18 NRM enhancements for PCFFunction | Nokia, Nokia Shanghai Bell | agreed | S5-225064 | - |
| S5-225840 | Rel-18 CR 28.538 ECSFunction IOC update | Huawei Technologies Sweden AB | agreed | S5-225257 | - |
| S5-225841 | Discussion Paper on EES initiated EAS deployment | Samsung R&D Institute UK | endorsed | S5-225174 | - |
| S5-225842 | Rel-18 InputToDraftCR 28.538 EAS Profile.doc | Samsung R&D Institute UK | approved | S5-225135 | - |
| S5-225843 | Rel-18 CR 28.538 Add a procedure of EAS instantiation triggered by measurement data | Intel Korea, Ltd. | agreed | S5-225516 | - |
| S5-225844 | Rel-18 CR 28.552 add a EAS discovery failure measurement | Intel Korea, Ltd. | agreed | S5-225515 | - |
| S5-225845 | Rel-18 CR 28.538 add a use case for EAS discovery failure measurement | Intel Korea, Ltd. | agreed | S5-225514 | - |
| S5-225846 | Rel-18 InputToDraftCR 28.538 Availability Zone.doc | Samsung R&D Institute UK | approved | S5-225176 | - |
| S5-225847 | Rel-18 InputToDraftCR 28.538 GSMA OP and ECM concept mapping | Samsung R&D Institute UK | approved | S5-225175 | - |
| S5-225848 | CR 28.623 Add QMC job (stage 3, YANG) | Ericsson Inc. | agreed | S5-225506 | - |
| S5-225849 | Handling of QoE measurement collection at handover in NR | Ericsson Limited, Nokia | agreed | S5-225501 | - |
| S5-225850 | Adding Signalling Based Activation for NR | Ericsson Limited, Nokia | agreed | S5-225500 | - |
| S5-225851 | Rel-18 CR TS 28.552 Add measurements for UE throughput of Dedicated BWP | China Telecomunication Corp., ZTE, Nokia | agreed | S5-225354 | - |
| S5-225852 | Rel-18 CR 28.552 Add beam specific inter-system handover counters related to MRO | Nokia, Nokia Shanghai Bell | agreed | S5-225339 | - |
| S5-225853 | Rel-18 CR 28.550 GPB schema introduction for PM streaming | Nokia, Nokia Shanghai Bell, Mavenir, Intel | agreed | S5-225110 | - |
| S5-225854 | Rel-18 CR TS 28.531 Update procedures for modification of Network Slice and Network Slice Subnet MOIs | Nokia, Nokia Shanghai Bell | agreed | S5-225086 | - |
| S5-225855 | Rel-18 CR 28.531 Fixing provisioning data reporting service | Samsung R&D Institute UK | agreed | S5-225134 | - |
| S5-225856 | CR Rel-17 28.104 Correction of MDA request and reporting workflow | Intel, NEC | agreed | S5-225517 | - |
| S5-225857 | Rel-17 CR TS 28.541 Update stage2 and stage3 definition for FeasibilityCheckAndReservationJob | Huawei | agreed | S5-225141 | - |
| S5-225859 | pCR 28.907 Update clause 4.1 | Huawei | approved | S5-225160 | - |
| S5-225860 | pCR 28.907 Rapporteur proposal | Huawei | approved | S5-225158 | - |
| S5-225861 | Rel-18 pCR 28.913 – New Key Issue for Energy Efficiency of a URLLC network slice based on reliability | Samsung Electronics Nordic AB | approved | S5-225556 | - |
| S5-225862 | pCR TR 28.913 Potential solution No.2, conclusion and recommendation for KI #1 | Huawei Technologies France | approved | S5-225551 | - |
| S5-225863 | pCR TR 28.913 New Issue – Roles involved in EE KPI building | Huawei, Deutsche Telekom | approved | S5-225255 | - |
| S5-225864 | Rel-18 pCR TR 28.913 Add key issue for Energy Saving compensation procedure | Nokia, Nokia Shanghai Bell | approved | S5-225396 | - |
| S5-225865 | Rel-18 pCR 28.829 Add new Key Issue and Solution | Samsung Electronics Nordic AB | approved | S5-225540 | - |
| S5-225866 | pCR TR 28.829 Business use case - DSO Provides Performance Reporting indicating Problems | Samsung, EUTC, BMWK, Vodafone, Telefonica, EDF | approved | S5-225411 | - |
| S5-225867 | pCR TR 28.829 Business use case - DSO Provides an Incident Report | Samsung, EUTC, BMWK, Vodafone, Telefonica, EDF | approved | S5-225408 | - |
| S5-225868 | pCR TR 28.829 Clean up | Samsung, EUTC, EDF | approved | S5-225407 | - |
| S5-225869 | pCR TR 28.863 Key Issue # 1: add a description of KQI in ETSI GS F5G 005 | AsiaInfo,Huawei | approved | S5-225179 | - |
| S5-225870 | Rephrase or replace eMnS with exposed MnS | Alibaba Group | approved | S5-225216 | - |
| S5-225871 | Update of solution 7.9 | Alibaba Group | approved | S5-225217 | - |
| S5-225872 | pCR 28.903 add potential solution for EES and MEP collocation | Huawei | approved | S5-225252 | - |
| S5-225873 | pCR 28.903 add potential solution for application LCM | Huawei | approved | S5-225251 | - |
| S5-225874 | pCR 28.903 update background information for GSMA OPG | Huawei | approved | S5-225254 | - |
| S5-225875 | pCR TR 28.833 Add procedure of management of the PDU session of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | approved | S5-225530 | - |
| S5-225876 | pCR TR 28.833 Add evaluation and conclusion for Topic 1 of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | approved | S5-225527 | - |
| S5-225877 | pCR TR 28.833 Add Annex A of UML code of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | approved | S5-225526 | - |
| S5-225878 | pCR 28.834 Add issues for use case 4 | Huawei | approved | S5-225244 | - |

### A2: Tdoc decision timing

|  |  |  |
| --- | --- | --- |
| Document | Date/time UTC | Decision |
| S5-225000 | 25/08/2022 13:47:04 | approved |
| S5-225001 | 25/08/2022 13:47:06 | approved |
| S5-225002 | 25/08/2022 13:47:30 | revised |
| S5-225004 | 26/08/2022 11:36:24 | noted |
| S5-225005 | 26/08/2022 11:36:20 | noted |
| S5-225008 | 25/08/2022 14:19:20 | revised |
| S5-225009 | 25/08/2022 14:19:28 | noted |
| S5-225010 | 25/08/2022 13:47:58 | approved |
| S5-225011 | 26/08/2022 11:36:04 | noted |
| S5-225012 | 26/08/2022 11:35:41 | noted |
| S5-225013 | 26/08/2022 11:35:29 | reserved |
| S5-225013 | 31/08/2022 09:00:49 | approved |
| S5-225014 | 26/08/2022 08:56:05 | noted |
| S5-225015 | 25/08/2022 14:07:35 | revised |
| S5-225016 | 25/08/2022 14:19:44 | replied to |
| S5-225017 | 26/08/2022 11:27:52 | replied to |
| S5-225018 | 26/08/2022 11:27:41 | noted |
| S5-225019 | 25/08/2022 14:06:47 | postponed |
| S5-225020 | 26/08/2022 11:27:30 | postponed |
| S5-225021 | 26/08/2022 11:04:28 | available |
| S5-225022 | 26/08/2022 11:03:58 | postponed |
| S5-225023 | 29/08/2022 14:21:21 | available |
| S5-225024 | 26/08/2022 11:01:07 | replied to |
| S5-225025 | 26/08/2022 10:53:57 | postponed |
| S5-225026 | 26/08/2022 09:09:48 | replied to |
| S5-225027 | 26/08/2022 09:09:26 | noted |
| S5-225028 | 26/08/2022 09:09:22 | noted |
| S5-225029 | 26/08/2022 09:09:18 | noted |
| S5-225030 | 26/08/2022 09:08:32 | available |
| S5-225031 | 25/08/2022 14:07:01 | postponed |
| S5-225032 | 26/08/2022 09:07:37 | noted |
| S5-225033 | 29/08/2022 12:23:37 | withdrawn |
| S5-225034 | 29/08/2022 12:23:31 | revised |
| S5-225035 | 29/08/2022 12:23:20 | revised |
| S5-225036 | 29/08/2022 12:23:02 | revised |
| S5-225037 | 29/08/2022 12:24:49 | noted |
| S5-225038 | 29/08/2022 12:24:42 | noted |
| S5-225039 | 29/08/2022 12:24:36 | noted |
| S5-225040 | 29/08/2022 12:25:37 | available |
| S5-225041 | 29/08/2022 12:25:13 | noted |
| S5-225042 | 29/08/2022 12:29:50 | noted |
| S5-225043 | 29/08/2022 12:29:41 | approved |
| S5-225044 | 29/08/2022 12:29:25 | revised |
| S5-225045 | 29/08/2022 12:28:51 | revised |
| S5-225046 | 29/08/2022 12:27:46 | revised |
| S5-225047 | 29/08/2022 12:28:36 | revised |
| S5-225048 | 29/08/2022 12:28:26 | revised |
| S5-225049 | 29/08/2022 12:28:15 | withdrawn |
| S5-225050 | 29/08/2022 12:27:58 | noted |
| S5-225051 | 29/08/2022 12:27:54 | noted |
| S5-225052 | 29/08/2022 12:27:30 | revised |
| S5-225053 | 29/08/2022 12:27:20 | revised |
| S5-225054 | 29/08/2022 12:31:09 | revised |
| S5-225055 | 26/08/2022 09:07:28 | noted |
| S5-225056 | 29/08/2022 12:17:00 | revised |
| S5-225057 | 29/08/2022 12:19:05 | revised |
| S5-225058 | 29/08/2022 12:20:26 | revised |
| S5-225059 | 29/08/2022 12:20:49 | revised |
| S5-225060 | 29/08/2022 12:20:39 | revised |
| S5-225061 | 29/08/2022 11:39:55 | agreed |
| S5-225062 | 29/08/2022 11:39:50 | agreed |
| S5-225063 | 29/08/2022 11:39:47 | agreed |
| S5-225064 | 29/08/2022 11:39:42 | revised |
| S5-225065 | 29/08/2022 11:39:29 | revised |
| S5-225066 | 29/08/2022 11:39:11 | revised |
| S5-225067 | 26/08/2022 14:45:28 | available |
| S5-225068 | 26/08/2022 14:45:06 | available |
| S5-225069 | 29/08/2022 11:28:38 | revised |
| S5-225070 | 29/08/2022 11:28:27 | revised |
| S5-225071 | 29/08/2022 11:28:07 | revised |
| S5-225072 | 29/08/2022 11:27:54 | revised |
| S5-225073 | 26/08/2022 08:55:13 | revised |
| S5-225074 | 26/08/2022 09:07:25 | noted |
| S5-225075 | 29/08/2022 11:53:49 | available |
| S5-225076 | 26/08/2022 16:14:58 | agreed |
| S5-225077 | 26/08/2022 16:14:57 | agreed |
| S5-225078 | 29/08/2022 13:26:09 | approved |
| S5-225079 | 29/08/2022 13:26:09 | approved |
| S5-225082 | 25/08/2022 15:13:16 | revised |
| S5-225083 | 25/08/2022 15:13:27 | revised |
| S5-225084 | 25/08/2022 15:13:41 | revised |
| S5-225085 | 25/08/2022 15:13:47 | agreed |
| S5-225086 | 29/08/2022 11:53:42 | revised |
| S5-225087 | 29/08/2022 11:52:22 | available |
| S5-225088 | 29/08/2022 11:52:17 | available |
| S5-225089 | 29/08/2022 11:52:10 | available |
| S5-225090 | 29/08/2022 11:53:31 | agreed |
| S5-225091 | 29/08/2022 11:53:25 | agreed |
| S5-225092 | 26/08/2022 16:14:47 | revised |
| S5-225093 | 26/08/2022 16:14:38 | revised |
| S5-225094 | 26/08/2022 16:14:14 | available |
| S5-225095 | 26/08/2022 16:14:09 | available |
| S5-225096 | 29/08/2022 11:31:46 | available |
| S5-225097 | 26/08/2022 15:27:12 | revised |
| S5-225098 | 26/08/2022 16:13:54 | available |
| S5-225099 | 26/08/2022 16:13:47 | available |
| S5-225100 | 26/08/2022 16:13:40 | available |
| S5-225101 | 26/08/2022 16:13:31 | available |
| S5-225102 | 26/08/2022 16:13:23 | available |
| S5-225103 | 26/08/2022 16:13:15 | available |
| S5-225104 | 26/08/2022 16:12:49 | available |
| S5-225105 | 26/08/2022 16:13:00 | available |
| S5-225106 | 26/08/2022 16:13:01 | available |
| S5-225107 | 26/08/2022 15:26:34 | agreed |
| S5-225108 | 26/08/2022 15:26:31 | agreed |
| S5-225109 | 16/08/2022 14:35:53 | withdrawn |
| S5-225109 | 16/08/2022 16:50:37 | revised |
| S5-225109 | 16/08/2022 16:50:40 | withdrawn |
| S5-225110 | 29/08/2022 11:50:39 | revised |
| S5-225111 | 26/08/2022 14:47:34 | revised |
| S5-225112 | 26/08/2022 14:49:37 | available |
| S5-225113 | 26/08/2022 14:48:05 | revised |
| S5-225114 | 26/08/2022 09:06:59 | available |
| S5-225114 | 29/08/2022 14:20:53 | noted |
| S5-225117 | 26/08/2022 15:25:59 | agreed |
| S5-225118 | 26/08/2022 15:25:57 | agreed |
| S5-225119 | 29/08/2022 11:38:59 | available |
| S5-225120 | 29/08/2022 11:37:32 | available |
| S5-225121 | 29/08/2022 11:37:26 | available |
| S5-225122 | 29/08/2022 11:37:21 | revised |
| S5-225123 | 29/08/2022 11:37:05 | agreed |
| S5-225124 | 25/08/2022 14:51:03 | revised |
| S5-225125 | 25/08/2022 14:51:11 | revised |
| S5-225126 | 25/08/2022 14:51:22 | revised |
| S5-225127 | 25/08/2022 14:51:34 | revised |
| S5-225128 | 25/08/2022 14:51:46 | revised |
| S5-225129 | 25/08/2022 14:52:00 | revised |
| S5-225130 | 26/08/2022 14:46:11 | agreed |
| S5-225131 | 26/08/2022 14:46:08 | agreed |
| S5-225132 | 26/08/2022 11:39:20 | revised |
| S5-225133 | 29/08/2022 11:51:32 | available |
| S5-225134 | 29/08/2022 11:51:20 | revised |
| S5-225135 | 29/08/2022 11:44:43 | revised |
| S5-225136 | 29/08/2022 11:45:09 | agreed |
| S5-225137 | 29/08/2022 11:40:43 | noted |
| S5-225138 | 26/08/2022 14:46:01 | agreed |
| S5-225139 | 26/08/2022 14:45:59 | agreed |
| S5-225140 | 26/08/2022 14:45:54 | agreed |
| S5-225141 | 26/08/2022 14:44:37 | revised |
| S5-225142 | 26/08/2022 14:44:24 | revised |
| S5-225143 | 26/08/2022 14:44:11 | revised |
| S5-225144 | 26/08/2022 14:39:23 | available |
| S5-225145 | 26/08/2022 14:43:59 | agreed |
| S5-225146 | 26/08/2022 14:43:55 | agreed |
| S5-225147 | 26/08/2022 14:42:56 | available |
| S5-225148 | 26/08/2022 14:42:40 | available |
| S5-225149 | 26/08/2022 14:43:49 | agreed |
| S5-225150 | 26/08/2022 14:42:07 | agreed |
| S5-225151 | 26/08/2022 14:42:05 | agreed |
| S5-225152 | 29/08/2022 12:31:00 | revised |
| S5-225153 | 29/08/2022 11:36:37 | agreed |
| S5-225154 | 29/08/2022 13:18:54 | revised |
| S5-225155 | 29/08/2022 13:19:41 | noted |
| S5-225156 | 29/08/2022 11:31:53 | available |
| S5-225157 | 29/08/2022 13:27:10 | approved |
| S5-225158 | 29/08/2022 13:27:02 | revised |
| S5-225159 | 29/08/2022 13:26:55 | approved |
| S5-225160 | 29/08/2022 13:26:50 | revised |
| S5-225161 | 29/08/2022 13:26:36 | approved |
| S5-225162 | 29/08/2022 13:26:31 | revised |
| S5-225163 | 29/08/2022 13:31:56 | noted |
| S5-225164 | 29/08/2022 13:31:19 | noted |
| S5-225165 | 26/08/2022 14:41:54 | agreed |
| S5-225166 | 26/08/2022 14:41:50 | agreed |
| S5-225167 | 26/08/2022 14:48:28 | available |
| S5-225168 | 26/08/2022 14:47:49 | available |
| S5-225169 | 26/08/2022 14:50:06 | available |
| S5-225170 | 26/08/2022 14:41:42 | available |
| S5-225171 | 26/08/2022 14:41:35 | available |
| S5-225172 | 26/08/2022 09:05:49 | available |
| S5-225172 | 29/08/2022 14:20:58 | noted |
| S5-225173 | 26/08/2022 14:40:39 | available |
| S5-225174 | 29/08/2022 11:44:17 | revised |
| S5-225175 | 29/08/2022 11:46:19 | revised |
| S5-225176 | 29/08/2022 11:46:04 | revised |
| S5-225177 | 29/08/2022 11:44:07 | noted |
| S5-225178 | 29/08/2022 13:04:28 | noted |
| S5-225179 | 29/08/2022 13:29:46 | revised |
| S5-225180 | 29/08/2022 11:52:50 | available |
| S5-225182 | 29/08/2022 13:30:33 | noted |
| S5-225183 | 29/08/2022 13:30:28 | noted |
| S5-225184 | 29/08/2022 11:52:39 | available |
| S5-225185 | 25/08/2022 15:10:21 | approved |
| S5-225185 | 25/08/2022 17:20:24 | revised |
| S5-225186 | 25/08/2022 17:20:34 | revised |
| S5-225187 | 26/08/2022 08:57:00 | revised |
| S5-225188 | 25/08/2022 17:20:41 | approved |
| S5-225189 | 25/08/2022 17:20:49 | revised |
| S5-225190 | 25/08/2022 17:20:57 | approved |
| S5-225191 | 25/08/2022 17:21:04 | revised |
| S5-225192 | 29/08/2022 11:50:14 | agreed |
| S5-225193 | 29/08/2022 12:33:11 | noted |
| S5-225194 | 26/08/2022 11:37:33 | noted |
| S5-225195 | 29/08/2022 11:32:35 | noted |
| S5-225196 | 29/08/2022 11:36:55 | revised |
| S5-225197 | 29/08/2022 11:40:11 | revised |
| S5-225198 | 29/08/2022 12:18:19 | approved |
| S5-225199 | 29/08/2022 12:20:10 | revised |
| S5-225200 | 29/08/2022 12:16:40 | approved |
| S5-225201 | 29/08/2022 12:19:35 | revised |
| S5-225202 | 29/08/2022 12:18:30 | approved |
| S5-225203 | 29/08/2022 12:18:29 | approved |
| S5-225204 | 29/08/2022 11:53:02 | available |
| S5-225205 | 26/08/2022 14:39:59 | available |
| S5-225206 | 26/08/2022 09:07:55 | revised |
| S5-225207 | 26/08/2022 14:39:32 | agreed |
| S5-225208 | 29/08/2022 12:33:07 | noted |
| S5-225209 | 29/08/2022 11:36:30 | agreed |
| S5-225210 | 26/08/2022 14:39:10 | agreed |
| S5-225211 | 25/08/2022 15:14:00 | revised |
| S5-225212 | 26/08/2022 14:39:08 | agreed |
| S5-225213 | 29/08/2022 14:21:53 | noted |
| S5-225214 | 29/08/2022 11:31:23 | noted |
| S5-225215 | 29/08/2022 13:31:50 | noted |
| S5-225216 | 29/08/2022 13:31:28 | revised |
| S5-225217 | 29/08/2022 13:31:41 | revised |
| S5-225218 | 29/08/2022 13:31:16 | noted |
| S5-225219 | 26/08/2022 14:39:03 | agreed |
| S5-225220 | 26/08/2022 14:38:53 | agreed |
| S5-225221 | 26/08/2022 14:38:46 | revised |
| S5-225222 | 26/08/2022 14:38:32 | revised |
| S5-225223 | 26/08/2022 14:38:17 | revised |
| S5-225224 | 26/08/2022 14:38:06 | revised |
| S5-225225 | 26/08/2022 14:37:55 | revised |
| S5-225226 | 26/08/2022 14:37:30 | revised |
| S5-225227 | 26/08/2022 14:36:40 | agreed |
| S5-225228 | 26/08/2022 14:40:55 | agreed |
| S5-225229 | 18/08/2022 10:59:43 | revised |
| S5-225230 | 26/08/2022 14:36:22 | available |
| S5-225231 | 29/08/2022 11:43:57 | available |
| S5-225233 | 29/08/2022 12:15:24 | noted |
| S5-225234 | 29/08/2022 12:16:21 | noted |
| S5-225235 | 29/08/2022 12:18:00 | revised |
| S5-225236 | 29/08/2022 12:17:49 | revised |
| S5-225237 | 29/08/2022 12:21:30 | noted |
| S5-225238 | 29/08/2022 12:21:24 | noted |
| S5-225239 | 29/08/2022 12:21:20 | noted |
| S5-225240 | 29/08/2022 12:21:43 | noted |
| S5-225241 | 29/08/2022 13:19:33 | noted |
| S5-225242 | 29/08/2022 13:19:29 | noted |
| S5-225243 | 29/08/2022 13:19:20 | noted |
| S5-225244 | 29/08/2022 13:19:10 | revised |
| S5-225245 | 29/08/2022 13:18:38 | revised |
| S5-225246 | 29/08/2022 13:07:50 | revised |
| S5-225247 | 29/08/2022 13:07:43 | noted |
| S5-225248 | 29/08/2022 13:31:06 | approved |
| S5-225249 | 29/08/2022 13:31:07 | approved |
| S5-225250 | 29/08/2022 13:32:29 | noted |
| S5-225251 | 29/08/2022 13:32:24 | revised |
| S5-225252 | 29/08/2022 13:32:13 | revised |
| S5-225253 | 29/08/2022 13:32:49 | noted |
| S5-225254 | 29/08/2022 13:32:43 | revised |
| S5-225255 | 29/08/2022 13:27:50 | revised |
| S5-225256 | 29/08/2022 13:28:14 | noted |
| S5-225257 | 29/08/2022 11:41:03 | revised |
| S5-225258 | 29/08/2022 13:28:08 | noted |
| S5-225259 | 25/08/2022 15:14:16 | available |
| S5-225260 | 25/08/2022 15:14:19 | available |
| S5-225261 | 25/08/2022 15:14:22 | available |
| S5-225262 | 25/08/2022 15:14:26 | available |
| S5-225263 | 25/08/2022 15:14:30 | available |
| S5-225264 | 25/08/2022 15:14:43 | available |
| S5-225265 | 25/08/2022 15:14:53 | revised |
| S5-225266 | 25/08/2022 15:15:01 | revised |
| S5-225267 | 25/08/2022 15:15:26 | revised |
| S5-225268 | 25/08/2022 15:15:31 | available |
| S5-225269 | 25/08/2022 15:15:35 | available |
| S5-225270 | 25/08/2022 15:15:44 | available |
| S5-225271 | 25/08/2022 15:15:48 | available |
| S5-225272 | 25/08/2022 15:16:17 | revised |
| S5-225273 | 25/08/2022 15:16:21 | available |
| S5-225274 | 25/08/2022 16:17:56 | revised |
| S5-225275 | 25/08/2022 16:18:42 | revised |
| S5-225276 | 25/08/2022 16:18:52 | revised |
| S5-225277 | 25/08/2022 16:19:24 | available |
| S5-225278 | 25/08/2022 16:19:28 | available |
| S5-225279 | 25/08/2022 16:19:32 | agreed |
| S5-225280 | 25/08/2022 17:08:29 | revised |
| S5-225281 | 25/08/2022 17:08:37 | available |
| S5-225282 | 25/08/2022 17:08:46 | available |
| S5-225283 | 25/08/2022 17:09:01 | available |
| S5-225284 | 25/08/2022 17:09:03 | available |
| S5-225285 | 25/08/2022 17:09:04 | available |
| S5-225286 | 25/08/2022 17:09:07 | available |
| S5-225287 | 25/08/2022 17:09:41 | available |
| S5-225287 | 26/08/2022 08:38:11 | not pursued |
| S5-225288 | 25/08/2022 14:22:06 | revised |
| S5-225289 | 25/08/2022 14:22:19 | revised |
| S5-225290 | 25/08/2022 14:22:29 | revised |
| S5-225291 | 25/08/2022 14:22:46 | revised |
| S5-225292 | 25/08/2022 15:05:16 | noted |
| S5-225293 | 25/08/2022 15:05:31 | revised |
| S5-225294 | 25/08/2022 15:05:35 | noted |
| S5-225295 | 25/08/2022 15:05:37 | noted |
| S5-225296 | 25/08/2022 15:05:39 | noted |
| S5-225297 | 25/08/2022 15:05:40 | noted |
| S5-225298 | 25/08/2022 15:08:17 | approved |
| S5-225299 | 25/08/2022 15:08:29 | noted |
| S5-225300 | 25/08/2022 15:08:31 | noted |
| S5-225301 | 25/08/2022 15:08:43 | revised |
| S5-225302 | 25/08/2022 15:08:49 | noted |
| S5-225303 | 25/08/2022 15:08:49 | noted |
| S5-225304 | 25/08/2022 15:08:51 | noted |
| S5-225305 | 25/08/2022 15:09:05 | revised |
| S5-225306 | 25/08/2022 17:21:13 | revised |
| S5-225307 | 26/08/2022 14:36:10 | agreed |
| S5-225308 | 29/08/2022 11:54:33 | revised |
| S5-225309 | 29/08/2022 11:54:19 | noted |
| S5-225310 | 29/08/2022 12:15:35 | noted |
| S5-225311 | 29/08/2022 12:15:30 | noted |
| S5-225313 | 29/08/2022 11:54:14 | noted |
| S5-225314 | 29/08/2022 11:54:09 | noted |
| S5-225315 | 26/08/2022 14:36:05 | agreed |
| S5-225316 | 29/08/2022 12:16:19 | noted |
| S5-225317 | 29/08/2022 12:16:09 | noted |
| S5-225318 | 29/08/2022 12:21:05 | revised |
| S5-225319 | 29/08/2022 11:50:24 | available |
| S5-225320 | 29/08/2022 13:20:38 | approved |
| S5-225321 | 26/08/2022 11:04:08 | approved |
| S5-225322 | 26/08/2022 14:49:49 | agreed |
| S5-225323 | 26/08/2022 14:35:52 | revised |
| S5-225324 | 26/08/2022 14:35:37 | revised |
| S5-225325 | 26/08/2022 14:35:25 | revised |
| S5-225326 | 26/08/2022 14:35:05 | revised |
| S5-225327 | 29/08/2022 11:38:49 | revised |
| S5-225328 | 29/08/2022 11:38:34 | revised |
| S5-225329 | 29/08/2022 11:32:26 | noted |
| S5-225330 | 29/08/2022 11:32:21 | noted |
| S5-225331 | 29/08/2022 11:38:21 | revised |
| S5-225332 | 29/08/2022 11:38:00 | revised |
| S5-225333 | 26/08/2022 14:34:53 | agreed |
| S5-225334 | 26/08/2022 14:34:50 | agreed |
| S5-225335 | 26/08/2022 14:34:43 | revised |
| S5-225336 | 26/08/2022 14:34:32 | agreed |
| S5-225337 | 26/08/2022 14:34:28 | agreed |
| S5-225338 | 29/08/2022 11:49:59 | available |
| S5-225339 | 29/08/2022 11:49:05 | revised |
| S5-225340 | 29/08/2022 12:33:02 | noted |
| S5-225341 | 29/08/2022 12:32:57 | noted |
| S5-225342 | 29/08/2022 12:32:58 | noted |
| S5-225343 | 29/08/2022 12:32:49 | noted |
| S5-225344 | 29/08/2022 11:48:51 | agreed |
| S5-225345 | 29/08/2022 11:40:29 | available |
| S5-225346 | 29/08/2022 11:40:23 | available |
| S5-225347 | 25/08/2022 15:05:50 | noted |
| S5-225348 | 25/08/2022 15:05:59 | revised |
| S5-225349 | 17/08/2022 09:13:04 | revised |
| S5-225349 | 25/08/2022 14:23:27 | available |
| S5-225350 | 26/08/2022 14:34:04 | revised |
| S5-225351 | 26/08/2022 14:33:51 | revised |
| S5-225352 | 26/08/2022 14:46:28 | revised |
| S5-225353 | 29/08/2022 11:31:13 | noted |
| S5-225354 | 29/08/2022 11:48:40 | revised |
| S5-225355 | 29/08/2022 11:48:09 | available |
| S5-225356 | 29/08/2022 11:48:04 | available |
| S5-225357 | 29/08/2022 11:27:40 | agreed |
| S5-225358 | 29/08/2022 11:27:35 | agreed |
| S5-225359 | 26/08/2022 14:43:40 | revised |
| S5-225360 | 26/08/2022 14:43:22 | revised |
| S5-225361 | 29/08/2022 11:27:25 | agreed |
| S5-225362 | 29/08/2022 11:27:22 | agreed |
| S5-225363 | 26/08/2022 16:15:14 | available |
| S5-225364 | 26/08/2022 16:15:07 | available |
| S5-225365 | 29/08/2022 12:15:16 | noted |
| S5-225366 | 29/08/2022 12:18:11 | noted |
| S5-225367 | 29/08/2022 12:19:22 | revised |
| S5-225368 | 29/08/2022 12:30:48 | revised |
| S5-225369 | 26/08/2022 14:45:40 | agreed |
| S5-225370 | 29/08/2022 13:18:29 | noted |
| S5-225371 | 29/08/2022 13:08:23 | revised |
| S5-225372 | 29/08/2022 12:17:34 | revised |
| S5-225373 | 29/08/2022 13:08:02 | revised |
| S5-225374 | 26/08/2022 11:37:28 | noted |
| S5-225375 | 29/08/2022 12:18:47 | revised |
| S5-225376 | 26/08/2022 11:37:19 | revised |
| S5-225377 | 26/08/2022 14:33:30 | revised |
| S5-225378 | 26/08/2022 14:33:13 | revised |
| S5-225379 | 26/08/2022 14:32:42 | revised |
| S5-225380 | 26/08/2022 14:32:26 | revised |
| S5-225381 | 26/08/2022 11:46:38 | revised |
| S5-225382 | 26/08/2022 11:46:28 | revised |
| S5-225383 | 26/08/2022 11:46:15 | revised |
| S5-225384 | 26/08/2022 11:46:05 | revised |
| S5-225385 | 29/08/2022 13:26:17 | approved |
| S5-225386 | 26/08/2022 14:33:00 | agreed |
| S5-225387 | 26/08/2022 14:32:53 | agreed |
| S5-225388 | 26/08/2022 11:38:08 | revised |
| S5-225389 | 29/08/2022 12:22:48 | noted |
| S5-225390 | 29/08/2022 12:27:05 | revised |
| S5-225391 | 29/08/2022 12:26:35 | revised |
| S5-225392 | 29/08/2022 12:22:20 | revised |
| S5-225393 | 26/08/2022 11:45:51 | agreed |
| S5-225394 | 29/08/2022 11:53:17 | available |
| S5-225395 | 29/08/2022 11:53:11 | available |
| S5-225396 | 29/08/2022 13:28:27 | revised |
| S5-225397 | 29/08/2022 13:03:30 | noted |
| S5-225398 | 29/08/2022 13:30:22 | noted |
| S5-225399 | 26/08/2022 11:45:44 | agreed |
| S5-225400 | 25/08/2022 14:52:10 | revised |
| S5-225401 | 25/08/2022 14:52:22 | revised |
| S5-225402 | 25/08/2022 14:52:26 | approved |
| S5-225403 | 25/08/2022 14:52:39 | revised |
| S5-225404 | 25/08/2022 14:52:43 | approved |
| S5-225405 | 29/08/2022 13:26:17 | approved |
| S5-225406 | 25/08/2022 14:52:51 | revised |
| S5-225407 | 29/08/2022 13:29:16 | revised |
| S5-225408 | 29/08/2022 13:29:06 | revised |
| S5-225409 | 29/08/2022 13:20:15 | revised |
| S5-225410 | 29/08/2022 13:20:05 | revised |
| S5-225411 | 29/08/2022 13:28:56 | revised |
| S5-225412 | 29/08/2022 13:19:55 | revised |
| S5-225413 | 29/08/2022 13:20:34 | approved |
| S5-225414 | 29/08/2022 12:17:21 | approved |
| S5-225415 | 29/08/2022 12:19:57 | noted |
| S5-225416 | 29/08/2022 12:19:53 | noted |
| S5-225417 | 29/08/2022 11:48:24 | available |
| S5-225418 | 29/08/2022 13:05:23 | noted |
| S5-225419 | 29/08/2022 13:06:16 | revised |
| S5-225420 | 29/08/2022 11:47:51 | available |
| S5-225421 | 29/08/2022 12:16:32 | approved |
| S5-225422 | 29/08/2022 12:31:48 | revised |
| S5-225423 | 29/08/2022 13:05:19 | noted |
| S5-225424 | 25/08/2022 15:06:15 | noted |
| S5-225425 | 25/08/2022 15:06:16 | noted |
| S5-225426 | 25/08/2022 15:06:18 | noted |
| S5-225427 | 25/08/2022 15:06:21 | noted |
| S5-225428 | 25/08/2022 15:09:14 | revised |
| S5-225429 | 25/08/2022 15:09:20 | noted |
| S5-225430 | 25/08/2022 15:09:21 | noted |
| S5-225431 | 25/08/2022 15:09:26 | noted |
| S5-225432 | 25/08/2022 15:09:35 | revised |
| S5-225433 | 25/08/2022 15:09:45 | revised |
| S5-225434 | 25/08/2022 15:09:55 | revised |
| S5-225435 | 25/08/2022 15:10:06 | revised |
| S5-225436 | 29/08/2022 14:23:02 | approved |
| S5-225437 | 25/08/2022 17:21:25 | revised |
| S5-225438 | 25/08/2022 17:21:29 | approved |
| S5-225439 | 25/08/2022 17:21:30 | approved |
| S5-225440 | 26/08/2022 08:37:26 | available |
| S5-225441 | 25/08/2022 17:16:46 | available |
| S5-225442 | 25/08/2022 17:17:34 | revised |
| S5-225443 | 25/08/2022 17:17:42 | revised |
| S5-225444 | 25/08/2022 17:17:50 | revised |
| S5-225445 | 25/08/2022 14:19:53 | approved |
| S5-225445 | 25/08/2022 14:20:56 | revised |
| S5-225446 | 25/08/2022 17:17:56 | available |
| S5-225447 | 25/08/2022 17:18:00 | available |
| S5-225448 | 25/08/2022 17:18:08 | agreed |
| S5-225449 | 25/08/2022 17:18:11 | agreed |
| S5-225450 | 25/08/2022 17:18:13 | agreed |
| S5-225451 | 25/08/2022 17:18:13 | agreed |
| S5-225452 | 25/08/2022 17:18:15 | agreed |
| S5-225453 | 25/08/2022 17:18:22 | agreed |
| S5-225454 | 25/08/2022 17:18:22 | agreed |
| S5-225455 | 25/08/2022 17:18:23 | agreed |
| S5-225456 | 25/08/2022 17:18:31 | revised |
| S5-225457 | 25/08/2022 17:18:35 | agreed |
| S5-225458 | 25/08/2022 17:19:15 | available |
| S5-225459 | 29/08/2022 12:31:40 | noted |
| S5-225460 | 29/08/2022 11:47:44 | available |
| S5-225461 | 29/08/2022 13:06:05 | noted |
| S5-225462 | 29/08/2022 13:05:54 | revised |
| S5-225463 | 29/08/2022 13:05:40 | noted |
| S5-225464 | 29/08/2022 13:30:11 | noted |
| S5-225465 | 26/08/2022 11:37:04 | noted |
| S5-225466 | 29/08/2022 12:34:08 | revised |
| S5-225467 | 29/08/2022 12:33:42 | revised |
| S5-225468 | 29/08/2022 13:03:50 | revised |
| S5-225469 | 29/08/2022 13:03:38 | noted |
| S5-225470 | 29/08/2022 13:30:03 | revised |
| S5-225471 | 29/08/2022 13:29:53 | noted |
| S5-225472 | 29/08/2022 13:05:10 | revised |
| S5-225473 | 29/08/2022 13:05:00 | revised |
| S5-225474 | 29/08/2022 13:29:33 | noted |
| S5-225475 | 29/08/2022 13:04:50 | revised |
| S5-225476 | 29/08/2022 13:04:41 | revised |
| S5-225477 | 29/08/2022 13:29:29 | noted |
| S5-225478 | 29/08/2022 11:54:47 | noted |
| S5-225479 | 29/08/2022 12:33:32 | noted |
| S5-225480 | 29/08/2022 13:30:49 | noted |
| S5-225481 | 29/08/2022 13:30:46 | noted |
| S5-225482 | 29/08/2022 13:30:44 | noted |
| S5-225483 | 29/08/2022 13:30:41 | noted |
| S5-225484 | 29/08/2022 13:30:57 | noted |
| S5-225485 | 29/08/2022 13:30:55 | noted |
| S5-225486 | 29/08/2022 12:32:32 | noted |
| S5-225487 | 29/08/2022 12:32:33 | noted |
| S5-225488 | 29/08/2022 12:30:37 | approved |
| S5-225489 | 29/08/2022 12:26:22 | noted |
| S5-225490 | 29/08/2022 12:30:30 | revised |
| S5-225491 | 29/08/2022 12:30:19 | revised |
| S5-225492 | 25/08/2022 17:23:21 | approved |
| S5-225493 | 25/08/2022 17:23:28 | revised |
| S5-225494 | 25/08/2022 17:23:38 | revised |
| S5-225495 | 26/08/2022 11:37:41 | noted |
| S5-225496 | 29/08/2022 12:24:11 | noted |
| S5-225497 | 29/08/2022 13:08:12 | noted |
| S5-225498 | 29/08/2022 13:03:23 | noted |
| S5-225500 | 29/08/2022 11:47:35 | revised |
| S5-225501 | 29/08/2022 11:47:17 | revised |
| S5-225502 | 29/08/2022 12:26:49 | revised |
| S5-225503 | 29/08/2022 12:32:42 | noted |
| S5-225504 | 29/08/2022 11:47:04 | agreed |
| S5-225505 | 26/08/2022 11:36:52 | revised |
| S5-225506 | 29/08/2022 11:46:56 | revised |
| S5-225507 | 29/08/2022 12:33:27 | revised |
| S5-225508 | 29/08/2022 12:26:03 | noted |
| S5-225509 | 29/08/2022 12:25:49 | noted |
| S5-225510 | 25/08/2022 17:19:24 | revised |
| S5-225511 | 25/08/2022 17:19:28 | agreed |
| S5-225512 | 25/08/2022 17:19:34 | revised |
| S5-225513 | 29/08/2022 12:30:06 | revised |
| S5-225514 | 29/08/2022 11:45:46 | revised |
| S5-225515 | 29/08/2022 11:43:43 | revised |
| S5-225516 | 29/08/2022 11:45:31 | revised |
| S5-225517 | 26/08/2022 14:41:15 | revised |
| S5-225518 | 26/08/2022 11:45:35 | available |
| S5-225519 | 29/08/2022 12:21:58 | revised |
| S5-225520 | 29/08/2022 12:24:20 | approved |
| S5-225521 | 29/08/2022 12:19:45 | noted |
| S5-225522 | 29/08/2022 12:25:08 | revised |
| S5-225523 | 29/08/2022 12:26:14 | noted |
| S5-225524 | 29/08/2022 13:07:23 | available |
| S5-225525 | 29/08/2022 13:07:17 | revised |
| S5-225526 | 29/08/2022 13:07:06 | revised |
| S5-225527 | 29/08/2022 13:06:57 | revised |
| S5-225528 | 29/08/2022 13:06:47 | noted |
| S5-225529 | 29/08/2022 13:06:42 | noted |
| S5-225530 | 29/08/2022 13:06:35 | revised |
| S5-225531 | 29/08/2022 13:06:27 | noted |
| S5-225532 | 26/08/2022 11:45:28 | agreed |
| S5-225533 | 26/08/2022 11:45:25 | agreed |
| S5-225534 | 26/08/2022 11:45:22 | agreed |
| S5-225535 | 26/08/2022 11:45:19 | agreed |
| S5-225538 | 26/08/2022 14:42:15 | agreed |
| S5-225539 | 29/08/2022 11:37:45 | noted |
| S5-225540 | 29/08/2022 13:28:44 | revised |
| S5-225541 | 29/08/2022 13:03:19 | noted |
| S5-225542 | 26/08/2022 11:45:04 | revised |
| S5-225543 | 26/08/2022 11:44:53 | revised |
| S5-225544 | 26/08/2022 14:34:19 | agreed |
| S5-225545 | 26/08/2022 14:34:15 | agreed |
| S5-225546 | 29/08/2022 11:52:00 | noted |
| S5-225547 | 29/08/2022 11:51:56 | available |
| S5-225548 | 29/08/2022 11:51:51 | available |
| S5-225549 | 29/08/2022 11:51:06 | available |
| S5-225550 | 29/08/2022 11:31:37 | available |
| S5-225551 | 29/08/2022 13:27:38 | revised |
| S5-225552 | 29/08/2022 11:32:07 | available |
| S5-225553 | 26/08/2022 11:43:40 | revised |
| S5-225554 | 29/08/2022 12:21:15 | withdrawn |
| S5-225555 | 29/08/2022 11:50:53 | available |
| S5-225556 | 29/08/2022 13:27:25 | revised |
| S5-225557 | 26/08/2022 11:43:30 | available |
| S5-225558 | 26/08/2022 11:43:25 | available |
| S5-225559 | 26/08/2022 11:43:19 | available |
| S5-225560 | 26/08/2022 11:43:13 | available |
| S5-225561 | 26/08/2022 11:43:06 | available |
| S5-225562 | 26/08/2022 11:42:58 | revised |
| S5-225563 | 26/08/2022 11:42:23 | revised |
| S5-225564 | 26/08/2022 11:42:05 | revised |
| S5-225565 | 26/08/2022 11:41:30 | revised |
| S5-225566 | 26/08/2022 11:44:02 | revised |
| S5-225567 | 26/08/2022 11:41:18 | revised |
| S5-225568 | 26/08/2022 11:44:22 | revised |
| S5-225569 | 26/08/2022 11:40:33 | revised |
| S5-225570 | 26/08/2022 11:40:23 | revised |
| S5-225571 | 26/08/2022 11:40:50 | revised |
| S5-225572 | 26/08/2022 11:40:08 | available |
| S5-225573 | 26/08/2022 11:40:02 | available |
| S5-225574 | 26/08/2022 11:39:54 | revised |
| S5-225575 | 26/08/2022 11:39:38 | available |
| S5-225576 | 26/08/2022 11:38:32 | available |
| S5-225577 | 26/08/2022 11:38:25 | available |
| S5-225578 | 29/08/2022 12:31:34 | noted |
| S5-225579 | 29/08/2022 12:31:29 | noted |
| S5-225580 | 29/08/2022 12:31:24 | noted |
| S5-225581 | 29/08/2022 12:32:26 | noted |
| S5-225582 | 29/08/2022 12:32:25 | noted |
| S5-225583 | 29/08/2022 12:32:20 | noted |
| S5-225584 | 29/08/2022 12:32:17 | noted |
| S5-225585 | 29/08/2022 12:32:14 | noted |
| S5-225586 | 29/08/2022 12:32:11 | noted |
| S5-225587 | 29/08/2022 12:15:52 | available |
| S5-225588 | 29/08/2022 11:29:49 | available |
| S5-225589 | 29/08/2022 11:30:08 | available |
| S5-225590 | 29/08/2022 11:30:14 | available |
| S5-225591 | 29/08/2022 13:20:28 | available |
| S5-225592 | 25/08/2022 15:12:24 | available |
| S5-225593 | 25/08/2022 13:48:18 | revised |
| S5-225594 | 25/08/2022 13:52:12 | reserved |
| S5-225595 | 25/08/2022 13:54:28 | reserved |
| S5-225596 | 26/08/2022 11:34:51 | noted |
| S5-225597 | 26/08/2022 11:34:56 | noted |
| S5-225598 | 26/08/2022 08:56:33 | postponed |
| S5-225599 | 26/08/2022 09:10:02 | approved |
| S5-225600 | 26/08/2022 14:37:16 | agreed |
| S5-225601 | 26/08/2022 15:26:20 | agreed |
| S5-225602 | 26/08/2022 11:01:54 | approved |
| S5-225603 | 26/08/2022 11:02:54 | noted |
| S5-225604 | 26/08/2022 11:27:59 | approved |
| S5-225605 | 26/08/2022 11:42:43 | agreed |
| S5-225606 | 26/08/2022 11:41:45 | agreed |
| S5-225607 | 26/08/2022 14:33:52 | agreed |
| S5-225608 | 26/08/2022 14:34:05 | agreed |
| S5-225609 | 26/08/2022 08:55:21 | approved |
| S5-225610 | 25/08/2022 13:48:30 | reserved |
| S5-225611 | 25/08/2022 13:47:36 | approved |
| S5-225611 | 25/08/2022 13:47:47 | noted |
| S5-225612 | 25/08/2022 14:07:38 | noted |
| S5-225614 | 26/08/2022 08:57:03 | approved |
| S5-225615 | 26/08/2022 09:08:13 | approved |
| S5-225616 | 26/08/2022 11:36:53 | agreed |
| S5-225617 | 26/08/2022 11:37:20 | agreed |
| S5-225618 | 26/08/2022 11:38:09 | agreed |
| S5-225620 | 26/08/2022 11:39:55 | agreed |
| S5-225621 | 26/08/2022 11:40:24 | agreed |
| S5-225622 | 26/08/2022 11:40:34 | agreed |
| S5-225623 | 26/08/2022 11:40:51 | agreed |
| S5-225624 | 26/08/2022 11:41:20 | agreed |
| S5-225625 | 26/08/2022 11:41:31 | agreed |
| S5-225626 | 26/08/2022 11:42:06 | agreed |
| S5-225627 | 26/08/2022 11:42:24 | agreed |
| S5-225628 | 26/08/2022 11:42:59 | agreed |
| S5-225629 | 26/08/2022 11:43:41 | agreed |
| S5-225630 | 26/08/2022 11:44:03 | agreed |
| S5-225631 | 26/08/2022 11:44:23 | agreed |
| S5-225632 | 26/08/2022 11:44:54 | agreed |
| S5-225633 | 26/08/2022 11:45:05 | agreed |
| S5-225634 | 26/08/2022 11:46:06 | agreed |
| S5-225635 | 26/08/2022 11:46:16 | agreed |
| S5-225636 | 26/08/2022 11:46:29 | agreed |
| S5-225637 | 26/08/2022 11:46:39 | agreed |
| S5-225638 | 26/08/2022 14:32:27 | agreed |
| S5-225639 | 26/08/2022 14:32:43 | agreed |
| S5-225640 | 26/08/2022 14:33:15 | agreed |
| S5-225641 | 26/08/2022 14:33:31 | agreed |
| S5-225642 | 26/08/2022 14:34:45 | agreed |
| S5-225643 | 26/08/2022 14:35:07 | agreed |
| S5-225644 | 25/08/2022 15:15:27 | agreed |
| S5-225646 | 25/08/2022 16:18:43 | agreed |
| S5-225647 | 25/08/2022 17:21:14 | approved |
| S5-225649 | 25/08/2022 15:09:47 | approved |
| S5-225651 | 25/08/2022 14:52:41 | approved |
| S5-225652 | 25/08/2022 17:20:26 | approved |
| S5-225653 | 25/08/2022 17:21:26 | approved |
| S5-225655 | 29/08/2022 13:36:39 | withdrawn |
| S5-225656 | 29/08/2022 13:37:26 | reserved |
| S5-225656 | 31/08/2022 09:00:51 | approved |
| S5-225657 | 29/08/2022 13:50:34 | reserved |
| S5-225657 | 31/08/2022 09:00:52 | approved |
| S5-225658 | 29/08/2022 13:51:20 | reserved |
| S5-225658 | 29/08/2022 13:52:27 | email approval |
| S5-225659 | 29/08/2022 13:52:29 | reserved |
| S5-225659 | 31/08/2022 09:00:54 | approved |
| S5-225660 | 29/08/2022 13:53:21 | reserved |
| S5-225660 | 31/08/2022 09:00:55 | approved |
| S5-225661 | 29/08/2022 13:54:49 | reserved |
| S5-225661 | 31/08/2022 09:00:56 | approved |
| S5-225663 | 29/08/2022 13:55:54 | reserved |
| S5-225663 | 31/08/2022 09:00:56 | approved |
| S5-225664 | 29/08/2022 13:56:47 | reserved |
| S5-225664 | 31/08/2022 09:00:50 | approved |
| S5-225665 | 29/08/2022 13:57:33 | reserved |
| S5-225665 | 31/08/2022 09:00:57 | approved |
| S5-225666 | 29/08/2022 13:58:22 | reserved |
| S5-225666 | 31/08/2022 09:00:57 | approved |
| S5-225667 | 29/08/2022 13:59:05 | reserved |
| S5-225667 | 31/08/2022 09:00:58 | approved |
| S5-225668 | 29/08/2022 14:00:01 | reserved |
| S5-225668 | 31/08/2022 09:00:59 | approved |
| S5-225669 | 29/08/2022 14:10:33 | reserved |
| S5-225669 | 31/08/2022 09:01:00 | approved |
| S5-225670 | 29/08/2022 12:34:09 | approved |
| S5-225671 | 29/08/2022 14:11:40 | reserved |
| S5-225671 | 31/08/2022 09:01:00 | approved |
| S5-225672 | 29/08/2022 14:12:44 | reserved |
| S5-225672 | 31/08/2022 09:01:01 | approved |
| S5-225673 | 29/08/2022 14:13:47 | reserved |
| S5-225673 | 31/08/2022 09:01:02 | approved |
| S5-225674 | 29/08/2022 14:14:42 | reserved |
| S5-225674 | 31/08/2022 09:01:03 | approved |
| S5-225675 | 29/08/2022 14:15:44 | reserved |
| S5-225675 | 31/08/2022 09:01:04 | approved |
| S5-225676 | 29/08/2022 14:16:11 | withdrawn |
| S5-225677 | 29/08/2022 14:17:06 | reserved |
| S5-225677 | 31/08/2022 09:01:04 | approved |
| S5-225678 | 29/08/2022 14:18:23 | reserved |
| S5-225678 | 31/08/2022 09:01:05 | approved |
| S5-225679 | 29/08/2022 11:54:35 | approved |
| S5-225680 | 29/08/2022 12:17:01 | approved |
| S5-225681 | 29/08/2022 12:17:35 | approved |
| S5-225682 | 29/08/2022 12:17:50 | approved |
| S5-225683 | 29/08/2022 12:18:01 | approved |
| S5-225684 | 29/08/2022 12:18:48 | approved |
| S5-225685 | 29/08/2022 12:19:06 | approved |
| S5-225686 | 29/08/2022 12:19:23 | approved |
| S5-225687 | 29/08/2022 12:19:36 | approved |
| S5-225688 | 29/08/2022 12:20:11 | approved |
| S5-225689 | 29/08/2022 12:20:26 | approved |
| S5-225690 | 29/08/2022 12:20:40 | approved |
| S5-225691 | 29/08/2022 12:20:50 | approved |
| S5-225692 | 29/08/2022 12:21:06 | approved |
| S5-225693 | 29/08/2022 12:21:59 | approved |
| S5-225694 | 29/08/2022 12:23:04 | approved |
| S5-225695 | 29/08/2022 12:23:21 | approved |
| S5-225696 | 29/08/2022 12:23:32 | approved |
| S5-225697 | 29/08/2022 12:25:09 | approved |
| S5-225698 | 29/08/2022 12:26:36 | approved |
| S5-225699 | 29/08/2022 12:26:50 | approved |
| S5-225700 | 29/08/2022 12:27:06 | approved |
| S5-225701 | 29/08/2022 12:27:21 | approved |
| S5-225702 | 29/08/2022 12:27:31 | approved |
| S5-225703 | 29/08/2022 12:27:47 | approved |
| S5-225704 | 29/08/2022 12:28:27 | approved |
| S5-225705 | 29/08/2022 12:28:37 | approved |
| S5-225706 | 29/08/2022 12:29:27 | approved |
| S5-225707 | 29/08/2022 12:30:07 | approved |
| S5-225708 | 29/08/2022 12:30:20 | approved |
| S5-225709 | 29/08/2022 12:30:31 | approved |
| S5-225710 | 29/08/2022 12:30:49 | approved |
| S5-225711 | 29/08/2022 12:31:00 | approved |
| S5-225712 | 29/08/2022 12:31:10 | approved |
| S5-225713 | 29/08/2022 12:31:49 | approved |
| S5-225714 | 25/08/2022 14:19:23 | noted |
| S5-225715 | 25/08/2022 14:53:47 | reserved |
| S5-225715 | 31/08/2022 09:01:19 | approved |
| S5-225716 | 25/08/2022 15:07:00 | reserved |
| S5-225716 | 31/08/2022 09:01:21 | approved |
| S5-225717 | 25/08/2022 15:10:55 | reserved |
| S5-225717 | 31/08/2022 09:01:24 | approved |
| S5-225718 | 25/08/2022 17:22:09 | reserved |
| S5-225718 | 31/08/2022 09:01:26 | approved |
| S5-225719 | 25/08/2022 17:24:10 | reserved |
| S5-225719 | 31/08/2022 09:01:29 | approved |
| S5-225720 | 25/08/2022 14:22:08 | agreed |
| S5-225721 | 25/08/2022 14:22:20 | agreed |
| S5-225722 | 25/08/2022 14:22:30 | agreed |
| S5-225723 | 25/08/2022 14:22:47 | agreed |
| S5-225724 | 25/08/2022 14:23:20 | agreed |
| S5-225725 | 25/08/2022 14:51:04 | approved |
| S5-225726 | 25/08/2022 14:52:23 | approved |
| S5-225727 | 25/08/2022 14:52:02 | approved |
| S5-225728 | 25/08/2022 14:51:23 | approved |
| S5-225729 | 25/08/2022 14:52:53 | approved |
| S5-225730 | 25/08/2022 15:08:44 | approved |
| S5-225731 | 25/08/2022 17:19:52 | reserved |
| S5-225731 | 31/08/2022 09:01:06 | approved |
| S5-225731 | 31/08/2022 09:01:07 | agreed |
| S5-225732 | 25/08/2022 17:19:56 | reserved |
| S5-225732 | 31/08/2022 09:01:15 | agreed |
| S5-225733 | 25/08/2022 15:08:03 | reserved |
| S5-225733 | 31/08/2022 09:01:22 | approved |
| S5-225734 | 25/08/2022 15:09:06 | approved |
| S5-225735 | 25/08/2022 17:17:20 | noted |
| S5-225736 | 25/08/2022 14:52:11 | approved |
| S5-225737 | 25/08/2022 17:19:45 | agreed |
| S5-225738 | 25/08/2022 16:17:57 | agreed |
| S5-225739 | 25/08/2022 17:19:25 | agreed |
| S5-225740 | 25/08/2022 16:18:53 | agreed |
| S5-225741 | 25/08/2022 15:13:17 | agreed |
| S5-225742 | 25/08/2022 15:13:29 | agreed |
| S5-225743 | 25/08/2022 15:14:01 | agreed |
| S5-225744 | 25/08/2022 15:14:54 | agreed |
| S5-225745 | 25/08/2022 15:15:02 | agreed |
| S5-225746 | 25/08/2022 17:18:32 | agreed |
| S5-225748 | 25/08/2022 15:09:16 | approved |
| S5-225751 | 25/08/2022 15:09:36 | approved |
| S5-225752 | 25/08/2022 15:09:57 | approved |
| S5-225753 | 25/08/2022 15:10:07 | approved |
| S5-225754 | 25/08/2022 15:06:03 | approved |
| S5-225755 | 25/08/2022 14:51:13 | approved |
| S5-225756 | 25/08/2022 17:23:39 | approved |
| S5-225757 | 25/08/2022 17:23:30 | approved |
| S5-225758 | 25/08/2022 17:23:06 | reserved |
| S5-225758 | 31/08/2022 09:01:26 | approved |
| S5-225760 | 25/08/2022 17:08:31 | agreed |
| S5-225761 | 25/08/2022 14:20:58 | approved |
| S5-225762 | 25/08/2022 14:51:35 | approved |
| S5-225763 | 25/08/2022 14:51:48 | approved |
| S5-225764 | 25/08/2022 17:20:38 | approved |
| S5-225765 | 25/08/2022 17:20:51 | approved |
| S5-225766 | 25/08/2022 17:21:05 | approved |
| S5-225768 | 25/08/2022 15:16:18 | agreed |
| S5-225770 | 25/08/2022 17:17:35 | agreed |
| S5-225771 | 25/08/2022 17:17:43 | agreed |
| S5-225772 | 25/08/2022 17:17:51 | agreed |
| S5-225774 | 25/08/2022 15:13:42 | agreed |
| S5-225775 | 25/08/2022 14:21:37 | approved |
| S5-225776 | 25/08/2022 17:19:36 | agreed |
| S5-225777 | 25/08/2022 15:05:32 | approved |
| S5-225778 | 29/08/2022 13:30:04 | approved |
| S5-225784 | 26/08/2022 14:35:26 | agreed |
| S5-225785 | 26/08/2022 14:35:38 | agreed |
| S5-225786 | 26/08/2022 14:35:53 | agreed |
| S5-225787 | 26/08/2022 14:37:04 | agreed |
| S5-225788 | 26/08/2022 14:37:32 | agreed |
| S5-225789 | 26/08/2022 14:37:56 | agreed |
| S5-225790 | 26/08/2022 14:38:07 | agreed |
| S5-225791 | 26/08/2022 14:38:18 | agreed |
| S5-225792 | 26/08/2022 14:38:34 | agreed |
| S5-225793 | 26/08/2022 14:38:47 | agreed |
| S5-225794 | 26/08/2022 14:43:24 | agreed |
| S5-225795 | 26/08/2022 14:43:41 | agreed |
| S5-225796 | 26/08/2022 14:44:13 | agreed |
| S5-225797 | 26/08/2022 14:44:26 | agreed |
| S5-225798 | 26/08/2022 14:46:29 | agreed |
| S5-225798 | 31/08/2022 11:23:46 | approved |
| S5-225799 | 29/08/2022 12:33:28 | approved |
| S5-225800 | 29/08/2022 12:33:43 | approved |
| S5-225801 | 29/08/2022 13:03:51 | approved |
| S5-225802 | 29/08/2022 12:28:52 | approved |
| S5-225803 | 29/08/2022 13:04:42 | approved |
| S5-225804 | 29/08/2022 13:04:51 | approved |
| S5-225805 | 29/08/2022 13:05:01 | approved |
| S5-225806 | 29/08/2022 13:05:11 | approved |
| S5-225807 | 29/08/2022 13:05:55 | approved |
| S5-225808 | 29/08/2022 13:06:17 | approved |
| S5-225809 | 29/08/2022 13:07:18 | approved |
| S5-225810 | 29/08/2022 13:07:50 | approved |
| S5-225811 | 29/08/2022 13:08:03 | approved |
| S5-225812 | 29/08/2022 13:08:24 | approved |
| S5-225813 | 29/08/2022 13:18:39 | approved |
| S5-225814 | 29/08/2022 13:18:56 | approved |
| S5-225815 | 29/08/2022 13:19:56 | approved |
| S5-225816 | 29/08/2022 13:20:06 | approved |
| S5-225817 | 29/08/2022 13:20:16 | approved |
| S5-225818 | 29/08/2022 13:26:32 | approved |
| S5-225819 | 26/08/2022 14:48:06 | agreed |
| S5-225819 | 31/08/2022 11:22:52 | approved |
| S5-225820 | 26/08/2022 14:47:35 | agreed |
| S5-225820 | 31/08/2022 11:22:57 | approved |
| S5-225821 | 26/08/2022 16:14:39 | agreed |
| S5-225822 | 26/08/2022 16:14:48 | agreed |
| S5-225823 | 26/08/2022 15:27:13 | agreed |
| S5-225825 | 29/08/2022 11:27:55 | agreed |
| S5-225826 | 29/08/2022 11:28:08 | agreed |
| S5-225827 | 29/08/2022 11:28:29 | agreed |
| S5-225828 | 29/08/2022 11:28:39 | agreed |
| S5-225829 | 26/08/2022 11:39:22 | agreed |
| S5-225830 | 29/08/2022 11:40:12 | agreed |
| S5-225831 | 29/08/2022 11:36:56 | agreed |
| S5-225832 | 29/08/2022 11:37:22 | agreed |
| S5-225833 | 29/08/2022 11:38:02 | approved |
| S5-225834 | 29/08/2022 11:38:22 | approved |
| S5-225835 | 29/08/2022 11:38:35 | approved |
| S5-225836 | 29/08/2022 11:38:50 | approved |
| S5-225837 | 29/08/2022 11:39:12 | agreed |
| S5-225838 | 29/08/2022 11:39:30 | agreed |
| S5-225839 | 29/08/2022 11:39:43 | agreed |
| S5-225840 | 29/08/2022 11:41:04 | agreed |
| S5-225841 | 29/08/2022 11:44:19 | approved |
| S5-225842 | 29/08/2022 11:44:45 | reserved |
| S5-225842 | 29/08/2022 11:44:55 | approved |
| S5-225843 | 29/08/2022 11:45:32 | agreed |
| S5-225844 | 29/08/2022 11:43:43 | agreed |
| S5-225845 | 29/08/2022 11:45:47 | agreed |
| S5-225846 | 29/08/2022 11:46:06 | approved |
| S5-225847 | 29/08/2022 11:46:22 | approved |
| S5-225848 | 29/08/2022 11:46:57 | agreed |
| S5-225849 | 29/08/2022 11:47:18 | agreed |
| S5-225850 | 29/08/2022 11:47:36 | agreed |
| S5-225851 | 29/08/2022 11:48:41 | agreed |
| S5-225852 | 29/08/2022 11:49:06 | agreed |
| S5-225853 | 29/08/2022 11:50:39 | agreed |
| S5-225854 | 29/08/2022 11:53:43 | agreed |
| S5-225855 | 29/08/2022 11:51:21 | agreed |
| S5-225856 | 26/08/2022 14:41:16 | agreed |
| S5-225857 | 26/08/2022 14:44:38 | agreed |
| S5-225859 | 29/08/2022 13:26:51 | approved |
| S5-225860 | 29/08/2022 13:27:03 | approved |
| S5-225861 | 29/08/2022 13:27:26 | approved |
| S5-225862 | 29/08/2022 13:27:39 | approved |
| S5-225863 | 29/08/2022 13:27:51 | approved |
| S5-225864 | 29/08/2022 13:28:28 | approved |
| S5-225865 | 29/08/2022 13:28:45 | approved |
| S5-225866 | 29/08/2022 13:28:57 | approved |
| S5-225867 | 29/08/2022 13:29:07 | approved |
| S5-225868 | 29/08/2022 13:29:17 | approved |
| S5-225869 | 29/08/2022 13:29:47 | approved |
| S5-225870 | 29/08/2022 13:31:29 | approved |
| S5-225871 | 29/08/2022 13:31:42 | approved |
| S5-225872 | 29/08/2022 13:32:14 | approved |
| S5-225873 | 29/08/2022 13:32:25 | approved |
| S5-225874 | 29/08/2022 13:32:44 | approved |
| S5-225875 | 29/08/2022 13:06:36 | approved |
| S5-225876 | 29/08/2022 13:06:58 | approved |
| S5-225877 | 29/08/2022 13:07:07 | approved |
| S5-225878 | 29/08/2022 13:19:11 | approved |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S5-225227 | Rel-17 CR 28.100 correct potential solution for fault management | Huawei | 28.100 | 0001 | - | Rel-17 | F | ANL | agreed |
| S5-225097 | Rel17\_CR\_28104\_Rectifying attribute properties for coverage problem analysis | Nokia, Nokia Shanghai Bell | 28.104 | 0001 | - | Rel-17 | F | TEI17 | revised |
| S5-225823 | Rel17\_CR\_28104\_Rectifying attribute properties for coverage problem analysis | Nokia, Nokia Shanghai Bell | 28.104 | 0001 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225098 | Rel17\_CR\_28104\_Rectifying attribute properties for EsRecommendation DataType | Nokia, Nokia Shanghai Bell | 28.104 | 0002 | - | Rel-17 | F | TEI17 | merged |
| S5-225099 | Rel17\_CR\_28104\_Rectifying attribute properties for HOTargetType Datatype | Nokia, Nokia Shanghai Bell | 28.104 | 0003 | - | Rel-17 | F | TEI17 | merged |
| S5-225100 | Rel17\_CR\_28104\_Rectifying attribute properties for Maintanance management Analysis | Nokia, Nokia Shanghai Bell | 28.104 | 0004 | - | Rel-17 | F | TEI17 | merged |
| S5-225101 | Rel17\_CR\_28104\_Rectifying attribute properties for MDA assisted Failure Prediction | Nokia, Nokia Shanghai Bell | 28.104 | 0005 | - | Rel-17 | F | TEI17 | merged |
| S5-225102 | Rel17\_CR\_28104\_Rectifying attribute properties for Mobility Performance Analysis | Nokia, Nokia Shanghai Bell | 28.104 | 0006 | - | Rel-17 | F | TEI17 | merged |
| S5-225103 | Rel17\_CR\_28104\_Rectifying attribute properties for Network Slice Load Analysis | Nokia, Nokia Shanghai Bell | 28.104 | 0007 | - | Rel-17 | F | TEI17 | merged |
| S5-225104 | Rel17\_CR\_28104\_Rectifying attribute properties for Network Slice Traffic Prediction | Nokia, Nokia Shanghai Bell | 28.104 | 0008 | - | Rel-17 | F | TEI17 | merged |
| S5-225105 | Rel17\_CR\_28104\_Rectifying attribute properties for Paging Analytics | Nokia, Nokia Shanghai Bell | 28.104 | 0009 | - | Rel-17 | F | TEI17 | merged |
| S5-225106 | Rel17\_CR\_28104\_Rectifying attribute properties for Traffic Load Trend Datatype | Nokia, Nokia Shanghai Bell | 28.104 | 0010 | - | Rel-17 | F | TEI17 | merged |
| S5-225147 | Rel-17 CR TS 28.104 OpenAPI file name and dependence change | Huawei,Intel | 28.104 | 0011 | - | Rel-17 | F | eMDAS | merged |
| S5-225173 | Rel-18 CR 28.104 Note in Generic flow on MDAS Consumer same with Notification consumer | Samsung R&D Institute UK | 28.104 | 0012 | - | Rel-18 | F | TEI18 | merged |
| S5-225228 | Rel-17 CR 28.104 Corrections to MDAOutputIEFilter | Huawei | 28.104 | 0013 | - | Rel-17 | F | TEI17 | agreed |
| S5-225360 | fix incorrect yaml file name in TS28.104 | Nokia, Nokia Shanghai Bell | 28.104 | 0014 | - | Rel-17 | F | TEI17 | revised |
| S5-225794 | fix incorrect yaml file name in TS28.104 | Nokia, Nokia Shanghai Bell | 28.104 | 0014 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225517 | CR Rel-17 28.104 Correction of MDA request and reporting workflow | Intel, NEC | 28.104 | 0015 | - | Rel-17 | F | eMDAS | revised |
| S5-225856 | CR Rel-17 28.104 Correction of MDA request and reporting workflow | Intel, NEC | 28.104 | 0015 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-225144 | Rel-17 CR TS 28.105 Add references for missing management and orchestration features which can may the AIML capabilities | Huawei,Nokia, Deutsche Telekom,China Telecom | 28.105 | 0001 | - | Rel-17 | F | eMDAS | not pursued |
| S5-225148 | Rel-17 CR TS 28.105 OpenAPI file name and dependence change | Huawei,Intel | 28.105 | 0002 | - | Rel-17 | F | eMDAS | merged |
| S5-225207 | Rel-17 CR TS 28.105 Corrections to the terms and definition description and corresponding updates | NEC, Intel, Nokia | 28.105 | 0003 | - | Rel-17 | F | eMDAS | agreed |
| S5-225359 | fix incorrect yaml file name in TS28.105 | Nokia, Nokia Shanghai Bell | 28.105 | 0004 | - | Rel-17 | F | TEI17 | revised |
| S5-225795 | fix incorrect yaml file name in TS28.105 | Nokia, Nokia Shanghai Bell | 28.105 | 0004 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225553 | Rel-17 CR TS 28.105 Clarifications and corrections of Use cases | NEC, Intel | 28.105 | 0005 | - | Rel-17 | F | eMDAS | revised |
| S5-225629 | Rel-17 CR TS 28.105 Clarifications and corrections of Use cases | NEC, Intel | 28.105 | 0005 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-225566 | Rel-17 CR TS 28.105 Clarifications and corrections into the Class definitions and Attribute properties | NEC, Intel | 28.105 | 0006 | - | Rel-17 | F | eMDAS | revised |
| S5-225630 | Rel-17 CR TS 28.105 Clarifications and corrections into the Class definitions and Attribute properties | NEC, Intel | 28.105 | 0006 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-225568 | Rel-17 CR TS 28.105 Correction and clarifications of the Requirements | NEC, Intel | 28.105 | 0007 | - | Rel-17 | F | eMDAS | revised |
| S5-225631 | Rel-17 CR TS 28.105 Correction and clarifications of the Requirements | NEC, Intel | 28.105 | 0007 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-225222 | Rel-17 CR TS 28.310 Solutions to calculate the energy consumption of PNF/VNF/VNFCs | Huawei Technologies France | 28.310 | 0021 | - | Rel-17 | F | TEI17 | revised |
| S5-225792 | Rel-17 CR TS 28.310 Solutions to calculate the energy consumption of PNF/VNF/VNFCs | Huawei Technologies France | 28.310 | 0021 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225138 | Rel-17 CR TS 28.312 Add missing guidelines for using scenario specific intent expectation for intent driven use cases | Huawei, Deutsche Telekom | 28.312 | 0001 | - | Rel-17 | F | IDMS\_MN | agreed |
| S5-225139 | Rel-17 CR TS 28.312 Correct the misalignment information in Annex C | Huawei, Deutsche Telekom | 28.312 | 0002 | - | Rel-17 | F | IDMS\_MN | agreed |
| S5-225140 | Rel-17 CR TS 28.312 Update intentNRM yaml file to distinguish the generic intent model and sceanrio specific intent model | Huawei, Deutsche Telekom | 28.312 | 0003 | - | Rel-17 | F | IDMS\_MN | agreed |
| S5-225369 | Rel-17 CR 28.312 Correct procedures for intent management | China Mobile International Ltd | 28.312 | 0004 | - | Rel-17 | F | IDMS\_MN | agreed |
| S5-225323 | Rel-16 CR 28.313 Correction of intra-RAT and inter-RAT too early and too late handover failures description | Nokia, Nokia Shanghai Bell | 28.313 | 0049 | - | Rel-16 | F | ePM\_KPI\_5G | revised |
| S5-225786 | Rel-16 CR 28.313 Correction of intra-RAT and inter-RAT too early and too late handover failures description | Nokia, Nokia Shanghai Bell | 28.313 | 0049 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-225324 | Rel-17 CR 28.313 Correction of intra-RAT and inter-RAT too early and too late handover failures description | Nokia, Nokia Shanghai Bell | 28.313 | 0050 | - | Rel-17 | A | ePM\_KPI\_5G | revised |
| S5-225785 | Rel-17 CR 28.313 Correction of intra-RAT and inter-RAT too early and too late handover failures description | Nokia, Nokia Shanghai Bell | 28.313 | 0050 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-225338 | Rel-18 CR 28.313 Add beam specific inter-RAT handover counters related to MRO | Nokia, Nokia Shanghai Bell | 28.313 | 0051 | - | Rel-18 | B | TEI18 | endorsed |
| S5-225388 | Rel-17 CR TS 28.313 align the discription between TS 28.541 for CSON PCI configuration | Huawei | 28.313 | 0052 | - | Rel-17 | F | eSON\_5G | revised |
| S5-225618 | Rel-17 CR TS 28.313 align the discription between TS 28.541 for CSON PCI configuration | Huawei | 28.313 | 0052 | 1 | Rel-17 | F | eSON\_5G | agreed |
| S5-225333 | Rel-17 CR 28.404 Align Requirements of handling QMC during RAN overload to RAN specifications | Nokia, Nokia Shanghai Bell | 28.404 | 0008 | - | Rel-17 | F | QOED,TEI17 | agreed |
| S5-225420 | support QoE metrics collection for multiple MCEs | Nokia, Nokia Shanghai Bell | 28.404 | 0009 | - | Rel-18 | C | eQoE | not pursued |
| S5-225334 | Rel-17 CR 28.405 Align Requirements of handling QMC during RAN overload to RAN specifications | Nokia, Nokia Shanghai Bell | 28.405 | 0012 | - | Rel-17 | F | QOED,TEI17 | agreed |
| S5-225460 | support QoE metrics collection for multiple MCEs | Nokia, Nokia Shanghai Bell | 28.405 | 0013 | - | Rel-18 | C | eQoE | not pursued |
| S5-225500 | Adding Signalling Based Activation for NR | Ericsson Limited, Nokia | 28.405 | 0014 | - | Rel-18 | B | eQoE | revised |
| S5-225850 | Adding Signalling Based Activation for NR | Ericsson Limited, Nokia | 28.405 | 0014 | 1 | Rel-18 | B | eQoE | agreed |
| S5-225501 | Handling of QoE measurement collection at handover in NR | Ericsson Limited, Nokia | 28.405 | 0015 | - | Rel-18 | B | eQoE | revised |
| S5-225849 | Handling of QoE measurement collection at handover in NR | Ericsson Limited, Nokia | 28.405 | 0015 | 1 | Rel-18 | B | eQoE | agreed |
| S5-225156 | Add network slice isolation use case and requirements | Nokia, Nokia Shanghai Bell | 28.530 | 0052 | - | Rel-18 | B | NSRULE | not pursued |
| S5-225571 | Clarify 3GPP management system capability requirement | L.M. Ericsson Limited, Deutsche Telekom | 28.530 | 0053 | - | Rel-18 | F | eNETSLICE\_PRO | revised |
| S5-225623 | Clarify 3GPP management system capability requirement | L.M. Ericsson Limited, Deutsche Telekom | 28.530 | 0053 | 1 | Rel-17 | F | TEI17,NETSLICE | agreed |
| S5-225075 | TS28.531 Update operations of allocateNsi, allocateNssi, deallocateNsi, deallocateNssi | Nokia, Nokia Shanghai Bell | 28.531 | 0117 | - | Rel-18 | C | eNETSLICE\_PRO | not pursued |
| S5-225086 | Rel-18 CR TS 28.531 Update procedures for modification of Network Slice and Network Slice Subnet MOIs | Nokia, Nokia Shanghai Bell | 28.531 | 0118 | - | Rel-18 | B | eNETSLICE\_PRO | revised |
| S5-225854 | Rel-18 CR TS 28.531 Update procedures for modification of Network Slice and Network Slice Subnet MOIs | Nokia, Nokia Shanghai Bell | 28.531 | 0118 | 1 | Rel-18 | F | eNETSLICE\_PRO | agreed |
| S5-225089 | Rel-18 CR TS 28.531 Update procedures for asynchronous mode of operations for Network Slice and Network Slice Subnet LCM | Nokia, Nokia Shanghai Bell | 28.531 | 0119 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-225090 | Rel-18 CR TS 28.531 Removal of redundant network slice modification use case | Nokia, Nokia Shanghai Bell | 28.531 | 0120 | - | Rel-18 | F | eNETSLICE\_PRO | agreed |
| S5-225091 | Rel-18 CR TS 28.531 Add provisioning procedure for slice activation and deactivation using adminsitrative state | Nokia, Nokia Shanghai Bell | 28.531 | 0121 | - | Rel-18 | B | eNETSLICE\_PRO | agreed |
| S5-225132 | Rel-17 CR 28.531 Deleting capacity planning use case | Samsung R&D Institute UK | 28.531 | 0122 | - | Rel-17 | F | TEI17 | revised |
| S5-225829 | Rel-17 CR 28.531 Deleting capacity planning use case | Samsung R&D Institute UK | 28.531 | 0122 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225133 | Rel-18 CR 28.531 Deleting capacity planning use case | Samsung R&D Institute UK | 28.531 | 0123 | - | Rel-18 | A | TEI17 | not pursued |
| S5-225134 | Rel-18 CR 28.531 Fixing provisioning data reporting service | Samsung R&D Institute UK | 28.531 | 0124 | - | Rel-18 | C | eNETSLICE\_PRO | revised |
| S5-225855 | Rel-18 CR 28.531 Fixing provisioning data reporting service | Samsung R&D Institute UK | 28.531 | 0124 | 1 | Rel-18 | C | eNETSLICE\_PRO | agreed |
| S5-225143 | Rel-17 CR TS 28.531 Update feasibility check procedure to align with FeasibilityCheckAndReservationJob | Huawei | 28.531 | 0125 | - | Rel-17 | F | TEI17 | revised |
| S5-225796 | Rel-17 CR TS 28.531 Update feasibility check procedure to align with FeasibilityCheckAndReservationJob | Huawei | 28.531 | 0125 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225180 | Rel-18 CR 28.531 Update procedures and operations to support asynchronous mode of operation.doc | Samsung R&D Institute UK | 28.531 | 0126 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-225395 | Rel-18 CR TS 28.531 Correction to informative annex on network slice journey | Nokia, Nokia Shanghai Bell | 28.531 | 0127 | - | Rel-18 | C | eNETSLICE\_PRO | not pursued |
| S5-225547 | Add asynchronous network slicing provisioning procedures | L.M. Ericsson Limited, Deutsche Telekom | 28.531 | 0128 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-225549 | Add use case and requirement for obtaining network slice subnet capability information | L.M. Ericsson Limited, Deutsche Telekom | 28.531 | 0129 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-225550 | Specify network slicing provisioning rules requirements | L.M. Ericsson Limited, Deutsche Telekom | 28.531 | 0130 | - | Rel-18 | B | NSRULE | not pursued |
| S5-225563 | Remove example from network slice subnet instance modification | L.M. Ericsson Limited | 28.531 | 0131 | - | Rel-17 | A | NETSLICE | revised |
| S5-225627 | Remove example from network slice subnet instance modification | L.M. Ericsson Limited | 28.531 | 0131 | 1 | Rel-17 | A | NETSLICE | agreed |
| S5-225564 | Remove example from network slice subnet instance modification | L.M. Ericsson Limited | 28.531 | 0132 | - | Rel-16 | A | NETSLICE | revised |
| S5-225626 | Remove example from network slice subnet instance modification | L.M. Ericsson Limited | 28.531 | 0132 | 1 | Rel-16 | A | NETSLICE | agreed |
| S5-225565 | Remove example from network slice instance modification | L.M. Ericsson Limited | 28.531 | 0133 | - | Rel-17 | A | NETSLICE | revised |
| S5-225625 | Remove example from network slice instance modification | L.M. Ericsson Limited | 28.531 | 0133 | 1 | Rel-17 | A | NETSLICE | agreed |
| S5-225567 | Remove example from network slice instance modification | L.M. Ericsson Limited | 28.531 | 0134 | - | Rel-16 | A | NETSLICE | revised |
| S5-225624 | Remove example from network slice instance modification | L.M. Ericsson Limited | 28.531 | 0134 | 1 | Rel-16 | A | NETSLICE | agreed |
| S5-225569 | Correct role in network slice subnet allocation use case | L.M. Ericsson Limited | 28.531 | 0135 | - | Rel-17 | A | NETSLICE,TEI16 | revised |
| S5-225622 | Correct role in network slice subnet allocation use case | L.M. Ericsson Limited | 28.531 | 0135 | 1 | Rel-17 | A | NETSLICE,TEI16 | agreed |
| S5-225570 | Correct role in network slice subnet allocation use case | L.M. Ericsson Limited, Deutsche Telekom | 28.531 | 0136 | - | Rel-16 | F | NETSLICE, TEI16 | revised |
| S5-225621 | Correct role in network slice subnet allocation use case | L.M. Ericsson Limited, Deutsche Telekom | 28.531 | 0136 | 1 | Rel-16 | F | NETSLICE, TEI16 | agreed |
| S5-225572 | Clarify network slice subnet configuration use case and requirement | L.M. Ericsson Limited | 28.531 | 0137 | - | Rel-17 | A | NETSLICE,TEI16 | not pursued |
| S5-225573 | Clarify network slice subnet configuration use case and requirement | L.M. Ericsson Limited | 28.531 | 0138 | - | Rel-16 | F | NETSLICE,TEI16 | not pursued |
| S5-225574 | Clarify translation in network slice allocation use case | L.M. Ericsson Limited | 28.531 | 0139 | - | Rel-17 | F | NETSLICE,TEI17 | revised |
| S5-225620 | Clarify translation in network slice allocation use case | L.M. Ericsson Limited | 28.531 | 0139 | 1 | Rel-17 | F | NETSLICE,TEI17 | agreed |
| S5-225575 | Clarify capacity planning use case and requirement | L.M. Ericsson Limited | 28.531 | 0140 | - | Rel-17 | F | TEI17,NETSLICE | merged |
| S5-225576 | Clarification and update of deallocation use case | L.M. Ericsson Limited | 28.531 | 0141 | - | Rel-17 | A | NETSLICE,TEI16 | not pursued |
| S5-225577 | Clarification and update of deallocation use case | L.M. Ericsson Limited | 28.531 | 0142 | - | Rel-16 | F | NETSLICE,TEI16 | not pursued |
| S5-225605 | Rel-15 CR TS 28.531 Remove example from network slice subnet instance modification | Ericsson | 28.531 | 0143 | - | Rel-15 | F | NETSLICE | agreed |
| S5-225606 | Rel-15 CR TS 28.531 Remove example from network slice instance modification | Ericsson | 28.531 | 0144 | - | Rel-15 | F | NETSLICE | agreed |
| S5-225130 | Rel-17 CR 28.532 Updating Hysteresis from M to O in notifyThresholdCrossing | Samsung R&D Institute UK | 28.532 | 0218 | - | Rel-18 | A | TEI17 | agreed |
| S5-225131 | Rel-17 CR 28.532 Updating Hysteresis from M to O in notifyThresholdCrossing | Samsung R&D Institute UK | 28.532 | 0219 | - | Rel-17 | F | TEI17 | agreed |
| S5-225145 | Rel-16 CR TS 28.532 Update provMnS yaml to include closaNRM yaml | Huawei,Ericsson | 28.532 | 0220 | - | Rel-16 | F | COSLA | agreed |
| S5-225146 | Rel-17 CR TS 28.532 Update provMnS yaml to include closaNRM yaml | Huawei,Ericsson | 28.532 | 0221 | - | Rel-17 | A | COSLA | agreed |
| S5-225149 | Rel-17 CR TS 28.532 Update provMnS yaml to include MDA NRM related resources | Huawei,Intel | 28.532 | 0222 | - | Rel-17 | F | eMDAS | agreed |
| S5-225153 | Correct notifyMOIChanges handling for YANG leaf-lists | Ericsson Hungary Ltd | 28.532 | 0223 | - | Rel-17 | F | AdNRM | agreed |
| S5-225204 | Asynchronous operations | Ericsson Hungary Ltd | 28.532 | 0224 | - | Rel-17 | C | TEI17 | not pursued |
| S5-225355 | Rel-18 TS28.532 enhance OpenAPI to support access control | Nokia, Nokia Shanghai Bell | 28.532 | 0225 | - | Rel-18 | B | MSAC | not pursued |
| S5-225356 | Rel-18 TS28.533 enhancement to support access control | Nokia, Nokia Shanghai Bell | 28.533 | 0101 | - | Rel-18 | B | MSAC | not pursued |
| S5-225562 | Add missing tags in stage 3 | L.M. Ericsson Limited | 28.536 | 0056 | - | Rel-17 | F | eCOSLA | revised |
| S5-225628 | Add missing tags in stage 3 | L.M. Ericsson Limited | 28.536 | 0056 | 1 | Rel-17 | F | eCOSLA | agreed |
| S5-225136 | Rel-18 draftCR to CR conversion for eECM | Samsung R&D Institute UK | 28.538 | 0016 | - | Rel-18 | B | eECM | agreed |
| S5-225230 | Rel-17 CR 28.538 correct EES deployment procedure | Huawei | 28.538 | 0017 | - | Rel-17 | F | ECM | not pursued |
| S5-225257 | Rel-18 CR 28.538 ECSFunction IOC update | Huawei Technologies Sweden AB | 28.538 | 0018 | - | Rel-18 | B | eECM | revised |
| S5-225840 | Rel-18 CR 28.538 ECSFunction IOC update | Huawei Technologies Sweden AB | 28.538 | 0018 | 1 | Rel-18 | B | eECM | agreed |
| S5-225514 | Rel-18 CR 28.538 add a use case for EAS discovery failure measurement | Intel Korea, Ltd. | 28.538 | 0019 | - | Rel-18 | B | eECM | revised |
| S5-225845 | Rel-18 CR 28.538 add a use case for EAS discovery failure measurement | Intel Korea, Ltd. | 28.538 | 0019 | 1 | Rel-18 | B | eECM | agreed |
| S5-225516 | Rel-18 CR 28.538 Add a procedure of EAS instantiation triggered by measurement data | Intel Korea, Ltd. | 28.538 | 0020 | - | Rel-18 | B | eECM | revised |
| S5-225843 | Rel-18 CR 28.538 Add a procedure of EAS instantiation triggered by measurement data | Intel Korea, Ltd. | 28.538 | 0020 | 1 | Rel-18 | B | eECM | agreed |
| S5-225589 | Rel-17 CR for TS28.540 editorialCorrections | ZTE Corporation | 28.540 | 0018 | - | Rel-17 | F | TEI17 | not treated |
| S5-225061 | Enhance 5G Core managed NF Profile NRM fragment | Nokia, Nokia Shanghai Bell | 28.541 | 0732 | - | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-225062 | NRM enhancements for UPFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0733 | - | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-225063 | TS28.541 Rel-18 NRM enhancements for NSSFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0734 | - | Rel-18 | C | AdNRM\_ph2 | agreed |
| S5-225064 | TS28.541 Rel-18 NRM enhancements for PCFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0735 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-225839 | TS28.541 Rel-18 NRM enhancements for PCFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0735 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-225065 | TS28.541 Rel-18 NRM enhancements for UDMFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0736 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-225838 | TS28.541 Rel-18 NRM enhancements for UDMFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0736 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-225066 | TS28.541 Rel-18 NRM enhancements for UDRFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0737 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-225837 | TS28.541 Rel-18 NRM enhancements for UDRFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0737 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-225067 | TS28.541 Rel-17 fix incorrect Line Folding in TS28541\_SliceNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0738 | - | Rel-17 | F | eNETSLICE\_PRO | merged |
| S5-225068 | TS 28.541Rel-18 fix incorrect Line Folding in TS28541\_SliceNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0739 | - | Rel-18 | A | eNETSLICE\_PRO | merged |
| S5-225069 | TS28.541 Rel-17 FiveQICharacteristics inheritance issue and reference issue in stage 3 | Nokia, Nokia Shanghai Bell | 28.541 | 0740 | - | Rel-17 | F | TEI17 | revised |
| S5-225828 | TS28.541 Rel-17 FiveQICharacteristics inheritance issue and reference issue in stage 3 | Nokia, Nokia Shanghai Bell | 28.541 | 0740 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225070 | TS28.541 Rel-18 FiveQICharacteristics inheritance issue and reference issue in stage 3 | Nokia, Nokia Shanghai Bell | 28.541 | 0741 | - | Rel-18 | A | TEI17 | revised |
| S5-225827 | TS28.541 Rel-18 FiveQICharacteristics inheritance issue and reference issue in stage 3 | Nokia, Nokia Shanghai Bell | 28.541 | 0741 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-225071 | TS 28.541 Rel-17 fix inconsistency in AMFFunction stage 2 and stage 3 | Nokia, Nokia Shanghai Bell | 28.541 | 0742 | - | Rel-17 | F | adNRM | revised |
| S5-225826 | TS 28.541 Rel-17 fix inconsistency in AMFFunction stage 2 and stage 3 | Nokia, Nokia Shanghai Bell | 28.541 | 0742 | 1 | Rel-17 | F | adNRM | agreed |
| S5-225072 | TS28.541 Rel-18 fix inconsistency in AMFFunction stage 2 and stage 3 | Nokia, Nokia Shanghai Bell | 28.541 | 0743 | - | Rel-18 | A | adNRM | revised |
| S5-225825 | TS28.541 Rel-18 fix inconsistency in AMFFunction stage 2 and stage 3 | Nokia, Nokia Shanghai Bell | 28.541 | 0743 | 1 | Rel-18 | A | adNRM | agreed |
| S5-225076 | TS 28.541 Rel17 Correction to DESManagementFunction and CESManagementFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0744 | - | Rel-17 | F | TEI17 | agreed |
| S5-225077 | TS 28.541 Rel18 Correction to DESManagementFunction and CESManagementFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0745 | - | Rel-18 | A | TEI17 | agreed |
| S5-225088 | Rel-18 CR TS 28.541 Add lifecycleState and availabilityStatus attributes to NetworkSlice and NetworkSliceSubnet | Nokia, Nokia Shanghai Bell | 28.541 | 0746 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-225092 | Rel-17 CR TS28.541 Correction to serviceType attribute | Nokia, Nokia Shanghai Bell | 28.541 | 0747 | - | Rel-17 | F | TEI17 | revised |
| S5-225822 | Rel-17 CR TS28.541 Correction to serviceType attribute | Nokia, Nokia Shanghai Bell | 28.541 | 0747 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225093 | Rel-18 CR TS28.541 Correction to serviceType attribute | Nokia, Nokia Shanghai Bell | 28.541 | 0748 | - | Rel-18 | A | TEI17 | revised |
| S5-225821 | Rel-18 CR TS28.541 Correction to serviceType attribute | Nokia, Nokia Shanghai Bell | 28.541 | 0748 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-225094 | Rel-17 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | 28.541 | 0749 | - | Rel-17 | F | TEI17 | not pursued |
| S5-225095 | Rel-18 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | 28.541 | 0750 | - | Rel-18 | A | TEI17 | not pursued |
| S5-225096 | Rel-18 CR TS 28.541 Add NRM for network slice isolation | Nokia, Nokia Shanghai Bell | 28.541 | 0751 | - | Rel-18 | B | NSRULE | not pursued |
| S5-225119 | Add Scheduler IOC - YANG | Ericsson Hungary Ltd | 28.541 | 0752 | - | Rel-18 | B | AdNRM\_ph2 | not pursued |
| S5-225120 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 2) | Ericsson Inc. | 28.541 | 0753 | - | Rel-18 | C | AdNRM\_ph2 | not pursued |
| S5-225121 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 3, YANG) | Ericsson Inc. | 28.541 | 0754 | - | Rel-18 | C | AdNRM\_ph2 | not pursued |
| S5-225122 | Rel-18 28.541 Add BWP set support to NRM (stage 2) | Ericsson Inc. | 28.541 | 0755 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-225832 | Rel-18 28.541 Add BWP set support to NRM (stage 2) | Ericsson Inc. | 28.541 | 0755 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-225123 | Rel-18 28.541 Add BWP set support to NRM (stage 3, YANG) | Ericsson Inc. | 28.541 | 0756 | - | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-225141 | Rel-17 CR TS 28.541 Update stage2 and stage3 definition for FeasibilityCheckAndReservationJob | Huawei | 28.541 | 0757 | - | Rel-17 | F | adNRM | revised |
| S5-225857 | Rel-17 CR TS 28.541 Update stage2 and stage3 definition for FeasibilityCheckAndReservationJob | Huawei | 28.541 | 0757 | 1 | Rel-17 | F | adNRM | agreed |
| S5-225142 | Rel-18 CR TS 28.541 Update stage2 and stage3 definition for FeasibilityCheckAndReservationJob | Huawei | 28.541 | 0758 | - | Rel-18 | A | adNRM | revised |
| S5-225797 | Rel-18 CR TS 28.541 Update stage2 and stage3 definition for FeasibilityCheckAndReservationJob | Huawei | 28.541 | 0758 | 1 | Rel-18 | A | adNRM | agreed |
| S5-225150 | Rel-17 CR TS 28.541 Add missing notifyMOIChanges in configuration notification table | Huawei | 28.541 | 0759 | - | Rel-17 | F | adNRM | agreed |
| S5-225151 | Rel-18 CR TS 28.541 Add missing notifyMOIChanges in configuration notification table | Huawei | 28.541 | 0760 | - | Rel-18 | A | adNRM | agreed |
| S5-225165 | Rel-17 CR 28.541 Correction on two SLA attributes | Huawei | 28.541 | 0761 | - | Rel-17 | F | EMA5SLA | agreed |
| S5-225166 | Rel-18 CR 28.541 Correction on two SLA attributes | Huawei | 28.541 | 0762 | - | Rel-18 | A | EMA5SLA | agreed |
| S5-225184 | Rel-17 CR 28.541 adding processMonitor in NetworkSlice and NetworkSliceSubnet.doc | Samsung R&D Institute UK | 28.541 | 0763 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-225196 | Rel-18 CR 28.541 Add BWP set support to NRM (Stage3, YAML) | Huawei | 28.541 | 0764 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-225831 | Rel-18 CR 28.541 Add BWP set support to NRM (Stage3, YAML) | Huawei | 28.541 | 0764 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-225197 | Rel-18 CR TS 28.541 Update NWDAFFunction IOC to support management and control purpose | Huawei | 28.541 | 0765 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-225830 | Rel-18 CR TS 28.541 Update NWDAFFunction IOC to support management and control purpose | Huawei | 28.541 | 0765 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-225225 | Rel-17 CR 28.541 update EASDF IOC | Huawei | 28.541 | 0766 | - | Rel-17 | F | adNRM | revised |
| S5-225789 | Rel-17 CR 28.541 update EASDF IOC | Huawei | 28.541 | 0766 | 1 | Rel-17 | F | adNRM | agreed |
| S5-225226 | Rel-18 CR 28.541 update EASDF IOC | Huawei | 28.541 | 0767 | - | Rel-18 | A | adNRM | revised |
| S5-225788 | Rel-18 CR 28.541 update EASDF IOC | Huawei | 28.541 | 0767 | 1 | Rel-18 | A | adNRM | agreed |
| S5-225229 | Rel-17 CR 28.541 Correction to coverageAreaTAList | Huawei | 28.541 | 0768 | - | Rel-17 | F | TEI17 | revised |
| S5-225787 | Rel-17 CR 28.541 Correction to coverageAreaTAList | Huawei | 28.541 | 0768 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225307 | YANG Corrections | Ericsson Hungary Ltd | 28.541 | 0769 | - | Rel-17 | F | TEI17 | agreed |
| S5-225315 | YANG Corrections | Ericsson Hungary Ltd | 28.541 | 0770 | - | Rel-18 | A | TEI17 | agreed |
| S5-225357 | TS28.541 Rel-17 Add missing attributes n6Protection and nssaaSupport defined in CNSliceSubnetProfile to TopSliceSubnetProfile | Nokia, Nokia Shanghai Bell, KDDI | 28.541 | 0771 | - | Rel-17 | F | TEI17 | agreed |
| S5-225358 | TS28.541 Rel-18 Add missing attributes n6Protection and nssaaSupport defined in CNSliceSubnetProfile to TopSliceSubnetProfile | Nokia, Nokia Shanghai Bell, KDDI | 28.541 | 0772 | - | Rel-18 | A | TEI17 | agreed |
| S5-225361 | TS 28.541 Rel-17 fix TaiList issues in stage 3 in TS28541\_5gcNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0773 | - | Rel-17 | F | TEI17 | agreed |
| S5-225362 | TS 28.541 Rel-18 fix TaiList issues in stage 3 in TS28541\_5gcNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0774 | - | Rel-18 | A | TEI17 | agreed |
| S5-225363 | Rel-17 TS28.541 Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS | 28.541 | 0775 | - | Rel-17 | F | TEI17 | not pursued |
| S5-225364 | Rel-18 TS28.541 Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS | 28.541 | 0776 | - | Rel-18 | A | TEI17 | not pursued |
| S5-225394 | Rel-18 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | 28.541 | 0777 | - | Rel-18 | C | eNETSLICE\_PRO | not pursued |
| S5-225548 | Add Job IOCs for asynchronous network slicing provisioning procedures | L.M. Ericsson Limited, Deutsche Telekom | 28.541 | 0778 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-225552 | Add network slice rules to NRM | L.M. Ericsson Limited, Deutsche Telekom | 28.541 | 0779 | - | Rel-18 | B | NSRULE | not pursued |
| S5-225558 | Clarify and update state management for network slicing | L.M. Ericsson Limited | 28.541 | 0780 | - | Rel-18 | A | NETSLICE | not pursued |
| S5-225559 | Clarify and update state management for network slicing | L.M. Ericsson Limited | 28.541 | 0781 | - | Rel-17 | A | NETSLICE | not pursued |
| S5-225560 | Clarify and update state management for network slicing | L.M. Ericsson Limited | 28.541 | 0782 | - | Rel-16 | A | NETSLICE | not pursued |
| S5-225561 | Clarify and update state management for network slicing | L.M. Ericsson Limited | 28.541 | 0783 | - | Rel-15 | F | NETSLICE | not pursued |
| S5-225600 | Rel-17 CR 28.541 Correction to coverageAreaTAList | Huawei | 28.541 | 0784 | - | Rel-18 | A | TEI17 | agreed |
| S5-225110 | Rel-18 CR 28.550 GPB schema introduction for PM streaming | Nokia, Nokia Shanghai Bell, Mavenir, Intel | 28.550 | 0074 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-225853 | Rel-18 CR 28.550 GPB schema introduction for PM streaming | Nokia, Nokia Shanghai Bell, Mavenir, Intel | 28.550 | 0074 | 1 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | agreed |
| S5-225116 | Rel-18 CR 28.550 Enhancing the streaming format of PMs | Nokia, Nokia Shanghai Bell | 28.550 | 0075 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | withdrawn |
| S5-225192 | R18 CR TS 28.552 Add use case of remote interference related performance measurement | China Telecomunication Corp., Huawei | 28.552 | 0375 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | agreed |
| S5-225231 | Rel-18 CR 28.552 update measurement for EES | Huawei | 28.552 | 0376 | - | Rel-18 | B | eECM | merged |
| S5-225325 | Rel-16 CR 28.552 Clarification of inter-system too early and too late handover failures and unnecessary handovers for inter-system mobility | Nokia, Nokia Shanghai Bell | 28.552 | 0377 | - | Rel-16 | F | ePM\_KPI\_5G | revised |
| S5-225784 | Rel-16 CR 28.552 Clarification of inter-system too early and too late handover failures and unnecessary handovers for inter-system mobility | Nokia, Nokia Shanghai Bell | 28.552 | 0377 | 1 | Rel-16 | F | ePM\_KPI\_5G | agreed |
| S5-225326 | Rel-17 CR 28.552 Clarification of inter-system too early and too late handover failures and unnecessary handovers for inter-system mobility | Nokia, Nokia Shanghai Bell | 28.552 | 0378 | - | Rel-17 | A | ePM\_KPI\_5G | revised |
| S5-225643 | Rel-17 CR 28.552 Clarification of inter-system too early and too late handover failures and unnecessary handovers for inter-system mobility | Nokia, Nokia Shanghai Bell | 28.552 | 0378 | 1 | Rel-17 | A | ePM\_KPI\_5G | agreed |
| S5-225339 | Rel-18 CR 28.552 Add beam specific inter-system handover counters related to MRO | Nokia, Nokia Shanghai Bell | 28.552 | 0379 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-225852 | Rel-18 CR 28.552 Add beam specific inter-system handover counters related to MRO | Nokia, Nokia Shanghai Bell | 28.552 | 0379 | 1 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | agreed |
| S5-225344 | Rel-18 CR 28.552 Add the per SSB RSRQ and SINR measurements | Intel Korea, Ltd. | 28.552 | 0380 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | agreed |
| S5-225354 | Rel-18 CR TS 28.552 Add measurements for UE throughput of Dedicated BWP | China Telecomunication Corp., ZTE, Nokia | 28.552 | 0381 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-225851 | Rel-18 CR TS 28.552 Add measurements for UE throughput of Dedicated BWP | China Telecomunication Corp., ZTE, Nokia | 28.552 | 0381 | 1 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | agreed |
| S5-225417 | CR TS28.552 Add new measurement on average air-interface efficiency | China Unicom, China Telecom | 28.552 | 0382 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | not pursued |
| S5-225515 | Rel-18 CR 28.552 add a EAS discovery failure measurement | Intel Korea, Ltd. | 28.552 | 0383 | - | Rel-18 | B | eECM | revised |
| S5-225844 | Rel-18 CR 28.552 add a EAS discovery failure measurement | Intel Korea, Ltd. | 28.552 | 0383 | 1 | Rel-18 | B | eECM | agreed |
| S5-225590 | Rel-17 CR for TS28.552 Correct Mean and Max Time of requested conditional handover executions | ZTE Corporation | 28.552 | 0384 | - | Rel-17 | F | ePM\_KPI\_5G | not treated |
| S5-225219 | Rel-16 CR TS 28.554 Correct wrong measurement names in KPI definition | Huawei Technologies France | 28.554 | 0096 | - | Rel-16 | F | TEI16 | agreed |
| S5-225220 | Rel-17 CR TS 28.554 Correct wrong measurement names in KPI definition | Huawei Technologies France | 28.554 | 0097 | - | Rel-17 | A | TEI16 | agreed |
| S5-225221 | Rel-17 CR TS 28.554 Correct 5G energy consumption definitions | Huawei Technologies France | 28.554 | 0098 | - | Rel-17 | F | TEI17 | revised |
| S5-225793 | Rel-17 CR TS 28.554 Correct 5G energy consumption definitions | Huawei Technologies France | 28.554 | 0098 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225542 | Rel-17 CR TS 28.554 Updating Packet transmission reliability KPI in DL on N3 | Samsung Electronics Nordic AB | 28.554 | 0099 | - | Rel-17 | F | TEI17 | revised |
| S5-225633 | Rel-17 CR TS 28.554 Updating Packet transmission reliability KPI in DL on N3 | Samsung Electronics Nordic AB | 28.554 | 0099 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225543 | Rel-18 CR TS 28.554 Updating Packet transmission reliability KPI in DL on N3 | Samsung Electronics Nordic AB | 28.554 | 0100 | - | Rel-18 | A | TEI17 | revised |
| S5-225632 | Rel-18 CR TS 28.554 Updating Packet transmission reliability KPI in DL on N3 | Samsung Electronics Nordic AB | 28.554 | 0100 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-225555 | Add new formula for the estimation of the energy consumption | Huawei Technologies France | 28.554 | 0101 | - | Rel-18 | B | EE5GPLUS\_Ph2 | not pursued |
| S5-225111 | Rel17\_CR\_28622\_Report Amount for M4, M5, M6 and M7 measurements in LTE | Nokia, Nokia Shanghai Bell | 28.622 | 0167 | - | Rel-18 | C | TEI18 | not pursued |
| S5-225168 | Rel-17 CR TS 28.622 Report Amount for M4, M5, M6 and M7 measurements in LTE | China Telecomunication Corp., Huawei | 28.622 | 0168 | - | Rel-17 | F | e\_5GMDT | merged |
| S5-225170 | Rel-17 CR TS 28.622 add excess packet delay threshould for signalling-based and management-based MDT | Huawei | 28.622 | 0169 | - | Rel-17 | F | e\_5GMDT | not pursued |
| S5-225335 | Rel-17 CR 28.622 Include already approved changes or enhancements of attribute properties for IOC ManagementDataCollection | Nokia, Nokia Shanghai Bell | 28.622 | 0170 | - | Rel-17 | F | MADCOL | revised |
| S5-225642 | Rel-17 CR 28.622 Include already approved changes or enhancements of attribute properties for IOC ManagementDataCollection | Nokia, Nokia Shanghai Bell | 28.622 | 0170 | 1 | Rel-17 | F | MADCOL | agreed |
| S5-225336 | Rel-16 CR 28.622 Correction of attribute names of IOC TraceJob | Nokia, Nokia Shanghai Bell | 28.622 | 0171 | - | Rel-16 | F | 5GMDT | agreed |
| S5-225337 | Rel-17 CR 28.622 Correction of attribute names of IOC TraceJob in the attribute property table | Nokia, Nokia Shanghai Bell, Ericsson | 28.622 | 0172 | - | Rel-17 | A | 5GMDT | agreed |
| S5-225345 | Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC | Intel Korea, Ltd. | 28.622 | 0173 | - | Rel-18 | B | eECM | not pursued |
| S5-225504 | Adding QMC job | Ericsson Limited, Nokia | 28.622 | 0174 | - | Rel-18 | B | eQoE | agreed |
| S5-225518 | CR Rel-17 28.622 Generalize the ThresholdInfo data type | Intel | 28.622 | 0175 | - | Rel-17 | F | eMDAS | not pursued |
| S5-225601 | Rel-17 CR 28.622 Correcting Support Qualifier for jobId attribute | Nokia, Nokia Shanghai Bell | 28.622 | 0176 | - | Rel-17 | F | FIMA | agreed |
| S5-225087 | Rel-18 CR TS 28.623 Add AvailabilityStatus and LifecycleState to comDefs | Nokia, Nokia Shanghai Bell | 28.623 | 0176 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-225112 | Rel17\_CR\_28623\_Report Amount for M4, M5, M6 and M7 measurements in LTE | Nokia, Nokia Shanghai Bell | 28.623 | 0177 | - | Rel-18 | C | TEI18 | merged |
| S5-225171 | Rel-17 CR TS 28.623 add excess packet delay threshould for signalling-based and management-based MDT | Huawei | 28.623 | 0178 | - | Rel-17 | F | e\_5GMDT | not pursued |
| S5-225210 | YANG Corrections | Ericsson Hungary Ltd | 28.623 | 0179 | - | Rel-16 | F | TEI16 | agreed |
| S5-225212 | YANG Corrections | Ericsson Hungary Ltd | 28.623 | 0180 | - | Rel-17 | A | TEI16 | agreed |
| S5-225223 | Rel-16 CR 28.623 adding missing interface for SMF | Huawei | 28.623 | 0181 | - | Rel-16 | F | adNRM | revised |
| S5-225791 | Rel-16 CR 28.623 adding missing interface for SMF | Huawei | 28.623 | 0181 | 1 | Rel-16 | F | adNRM | agreed |
| S5-225224 | Rel-17 CR 28.623 adding missing interface for SMF | Huawei | 28.623 | 0182 | - | Rel-17 | A | adNRM | revised |
| S5-225790 | Rel-17 CR 28.623 adding missing interface for SMF | Huawei | 28.623 | 0182 | 1 | Rel-17 | A | adNRM | agreed |
| S5-225346 | Rel-18 CR 28.623 Add stage 3 solution for LcmJob IOC | Intel Korea, Ltd. | 28.623 | 0183 | - | Rel-18 | B | eECM | not pursued |
| S5-225352 | Rel-17 CR TS 28.623 Report Amount for M4, M5, M6 and M7 measurements in LTE | China Telecomunication Corp., Huawei | 28.623 | 0184 | - | Rel-17 | F | e\_5GMDT | not pursued |
| S5-225506 | CR 28.623 Add QMC job (stage 3, YANG) | Ericsson Inc. | 28.623 | 0185 | - | Rel-18 | B | eQoE | revised |
| S5-225848 | CR 28.623 Add QMC job (stage 3, YANG) | Ericsson Inc. | 28.623 | 0185 | 1 | Rel-18 | B | eQoE | agreed |
| S5-225538 | Rel-17 CR 28.623 Correction of file names in OpenAPI Solution Set | Nokia, Nokia Shanghai Bell | 28.623 | 0186 | - | Rel-17 | F | MADCOL | agreed |
| S5-225544 | Rel-16 CR 28.623 Correction of attribute names according to Upper Camel Case Convention and WKA | Nokia, Nokia Shanghai Bell, Ericsson | 28.623 | 0187 | - | Rel-16 | F | 5GMDT | agreed |
| S5-225545 | Rel-17 CR 28.623 Correction of attribute names according to Upper Camel Case Convention and WKA | Nokia, Nokia Shanghai Bell, Ericsson | 28.623 | 0188 | - | Rel-17 | A | 5GMDT | agreed |
| S5-225588 | Rel-17 CR for TS32.130 delete redundant figure | ZTE Corporation | 32.130 | 0021 | - | Rel-17 | F | TEI17 | not treated |
| S5-225377 | Rel-16 CR 32.158 Align examples for DNs and URIs in clause 4.2 with object class naming conventions | Nokia, Nokia Shanghai Bell | 32.158 | 0052 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-225641 | Rel-16 CR 32.158 Align examples for DNs and URIs in clause 4.2 with object class naming conventions | Nokia, Nokia Shanghai Bell | 32.158 | 0052 | 1 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-225378 | Rel-17 CR 32.158 Align examples for DNs and URIs in clause 4.2 with object class naming conventions | Nokia, Nokia Shanghai Bell | 32.158 | 0053 | - | Rel-17 | A | REST\_SS, TEI16 | revised |
| S5-225640 | Rel-17 CR 32.158 Align examples for DNs and URIs in clause 4.2 with object class naming conventions | Nokia, Nokia Shanghai Bell | 32.158 | 0053 | 1 | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-225379 | Rel-16 CR 32.158 Clarify concept of MnS root | Nokia, Nokia Shanghai Bell | 32.158 | 0054 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-225639 | Rel-16 CR 32.158 Clarify concept of MnS root | Nokia, Nokia Shanghai Bell | 32.158 | 0054 | 1 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-225380 | Rel-17 CR 32.158 Clarify concept of MnS root | Nokia, Nokia Shanghai Bell | 32.158 | 0055 | - | Rel-17 | A | REST\_SS, TEI16 | revised |
| S5-225638 | Rel-17 CR 32.158 Clarify concept of MnS root | Nokia, Nokia Shanghai Bell | 32.158 | 0055 | 1 | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-225381 | Rel-16 CR 32.158 Clarify only leaf resources can be created | Nokia, Nokia Shanghai Bell | 32.158 | 0056 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-225637 | Rel-16 CR 32.158 Clarify only leaf resources can be created | Nokia, Nokia Shanghai Bell | 32.158 | 0056 | 1 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-225382 | Rel-17 CR 32.158 Clarify only leaf resources can be created | Nokia, Nokia Shanghai Bell | 32.158 | 0057 | - | Rel-17 | A | REST\_SS, TEI16 | revised |
| S5-225636 | Rel-17 CR 32.158 Clarify only leaf resources can be created | Nokia, Nokia Shanghai Bell | 32.158 | 0057 | 1 | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-225383 | Rel-16 CR 32.158 Clarify HTTP POST and HTTP PUT response message format | Nokia, Nokia Shanghai Bell | 32.158 | 0058 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-225635 | Rel-16 CR 32.158 Clarify HTTP POST and HTTP PUT response message format | Nokia, Nokia Shanghai Bell | 32.158 | 0058 | 1 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-225384 | Rel-17 CR 32.158 Clarify HTTP POST and HTTP PUT response message format | Nokia, Nokia Shanghai Bell | 32.158 | 0059 | - | Rel-17 | A | REST\_SS, TEI16 | revised |
| S5-225634 | Rel-17 CR 32.158 Clarify HTTP POST and HTTP PUT response message format | Nokia, Nokia Shanghai Bell | 32.158 | 0059 | 1 | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-225386 | Rel-16 CR 32.158 Correct and clarify numerous smaller issues | Nokia, Nokia Shanghai Bell | 32.158 | 0060 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-225387 | Rel-17 CR 32.158 Correct and clarify numerous smaller issues | Nokia, Nokia Shanghai Bell | 32.158 | 0061 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-225393 | Rel-16 CR 32.158 Clarify use of the JSON Patch test operation | Nokia, Nokia Shanghai Bell | 32.158 | 0062 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-225399 | Rel-17 CR 32.158 Clarify use of the JSON Patch test operation | Nokia, Nokia Shanghai Bell | 32.158 | 0063 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-225209 | YANG Mapping Rule Corrections | Ericsson Hungary Ltd | 32.160 | 0028 | - | Rel-17 | F | AdNRM | agreed |
| S5-225084 | Rel-17 CR 32.240 Introduction of Reference point representation for Converged Charging | MATRIXX Software | 32.240 | 0444 | - | Rel-17 | F | 5GS\_Ph1-SBI\_CH, TEI17 | revised |
| S5-225774 | Rel-17 CR 32.240 Introduction of Reference point representation for Converged Charging | MATRIXX Software,Ericsson | 32.240 | 0444 | 1 | Rel-17 | F | 5GS\_Ph1-SBI\_CH, TEI17 | agreed |
| S5-225287 | Rel-17 CR 32.240 Correction of IMS and SMSF in reference architecture | Ericsson LM | 32.240 | 0445 | - | Rel-17 | F | TEI17 | merged |
| S5-225724 | Rel-18 CR 32.240 Adding new consumer for MMS in Charging Architecture | Amdocs Software Systems Ltd,Ericsson LM, MATRIXX Software | 32.240 | 0446 | - | Rel-18 | B | MMS\_CH\_SBI | agreed |
| S5-225268 | Rel-17 CR 32.254 Missing operation and identifier in NEF charging information | Ericsson LM | 32.254 | 0023 | 1 | Rel-17 | F | TEI17 | not pursued |
| S5-225448 | Rel-17 CR 32.254 Correction on the 5G LAN VN management converged Charging | Huawei | 32.254 | 0024 | - | Rel-17 | F | 5GLAN\_CH | agreed |
| S5-225211 | Rel-17 CR 32.255 Correction on Home Provided Charging Id and Roaming Charging Profile | China Mobile M2M Company Ltd. | 32.255 | 0404 | - | Rel-17 | F | ETSUN | revised |
| S5-225743 | Rel-17 CR 32.255 Correction on Home Provided Charging Id and Roaming Charging Profile | China Mobile M2M Company Ltd. | 32.255 | 0404 | 1 | Rel-17 | F | TEI17,ETSUN | agreed |
| S5-225259 | Rel-16 CR 32.255 Correction of secondary RAT for EPC | Ericsson LM | 32.255 | 0405 | - | Rel-16 | F | TEI16 | not pursued |
| S5-225260 | Rel-17 CR 32.255 Correction of secondary RAT for EPC | Ericsson LM | 32.255 | 0406 | - | Rel-17 | A | TEI16 | not pursued |
| S5-225263 | Rel-16 CR 32.255 Correction of IPv6 prefixes in PDU address | Ericsson LM | 32.255 | 0407 | - | Rel-16 | F | TEI16 | not pursued |
| S5-225264 | Rel-17 CR 32.255 Correction of IPv6 prefixes in PDU address | Ericsson LM | 32.255 | 0408 | - | Rel-17 | A | TEI16 | not pursued |
| S5-225444 | Rel-17 CR 32.255 Correction on the Charging Identifier Uniqueness | Huawei | 32.255 | 0409 | - | Rel-17 | F | TEI17 | revised |
| S5-225772 | Rel-17 CR 32.255 Correction on the Charging Identifier Uniqueness | Huawei | 32.255 | 0409 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225449 | Rel-17 CR 32.257 Correction on reference for the EAS Deployment | Huawei | 32.257 | 0001 | - | Rel-17 | F | EDGE\_CH | agreed |
| S5-225453 | Rel-17 CR 32.257 Correction on the mapping between EC and NEF | Huawei | 32.257 | 0002 | - | Rel-17 | F | EDGE\_CH | agreed |
| S5-225454 | Rel-17 CR 32.257 Correction on the detailed message format for converged charging | Huawei | 32.257 | 0003 | - | Rel-17 | F | EDGE\_CH | agreed |
| S5-225085 | Rel-17 CR 32.260 Missing Operation Type E for Multiple Unit Usage | Amdocs Software Systems Ltd | 32.260 | 0428 | - | Rel-17 | F | 5GSIMSCH | agreed |
| S5-225289 | Rel-18 CR 32.270 Addition of converged charging architecture | Ericsson LM | 32.270 | 0032 | - | Rel-18 | B | MMS\_CH\_SBI | revised |
| S5-225721 | Rel-18 CR 32.270 Addition of converged charging architecture | Ericsson LM | 32.270 | 0032 | 1 | Rel-18 | B | MMS\_CH\_SBI | agreed |
| S5-225290 | Rel-18 CR 32.270 Addition of converged charging scenarios | Ericsson LM | 32.270 | 0033 | - | Rel-18 | B | MMS\_CH\_SBI | revised |
| S5-225722 | Rel-18 CR 32.270 Addition of converged charging scenarios | Ericsson LM | 32.270 | 0033 | 1 | Rel-18 | B | MMS\_CH\_SBI | agreed |
| S5-225291 | Rel-18 CR 32.270 Addition of converged charging information | Ericsson LM | 32.270 | 0034 | - | Rel-18 | B | MMS\_CH\_SBI | revised |
| S5-225723 | Rel-18 CR 32.270 Addition of converged charging information | Ericsson LM | 32.270 | 0034 | 1 | Rel-18 | B | MMS\_CH\_SBI | agreed |
| S5-225267 | Rel-17 CR 32.274 Correcting session and charging identifiers | Ericsson LM | 32.274 | 0087 | 1 | Rel-17 | F | TEI17 | revised |
| S5-225644 | Rel-17 CR 32.274 Correcting session and charging identifiers | Ericsson LM | 32.274 | 0087 | 2 | Rel-17 | F | TEI17 | agreed |
| S5-225510 | Rel-17 CR 32.277 Editorial clean up | CATT | 32.277 | 0047 | - | Rel-17 | F | 5G\_Prose | revised |
| S5-225739 | Rel-17 CR 32.277 Editorial clean up | CATT | 32.277 | 0047 | 1 | Rel-17 | F | 5G\_Prose | agreed |
| S5-225511 | Rel-17 CR 32.277 Remove editor note on 5G Direct Communication charging | CATT | 32.277 | 0048 | - | Rel-17 | F | 5G\_Prose | agreed |
| S5-225737 | Rel-17 CR 32.277 Correction on the name of interface for usage information collection | CATT | 32.277 | 0049 | - | Rel-17 | F | 5G\_Prose | agreed |
| S5-225271 | Rel-17 CR 32.290 Correction of use of requested units at suspended | Ericsson LM | 32.290 | 0183 | - | Rel-17 | F | TEI17 | not pursued |
| S5-225273 | Rel-17 CR 32.290 Correction of use QMI | Ericsson LM | 32.290 | 0184 | - | Rel-17 | F | TEI17 | not pursued |
| S5-225278 | Rel-17 CR 32.290 Correcting service level usage for trigger mechanism | Ericsson LM | 32.290 | 0185 | - | Rel-17 | F | TEI17 | not pursued |
| S5-225288 | Rel-18 CR 32.290 Addition of MMS relay and server | Ericsson LM | 32.290 | 0186 | - | Rel-18 | B | MMS\_CH\_SBI | revised |
| S5-225720 | Rel-18 CR 32.290 Addition of MMS relay and server | Ericsson LM | 32.290 | 0186 | 1 | Rel-18 | B | MMS\_CH\_SBI | agreed |
| S5-225269 | Rel-17 CR 32.291 Missing operation and identifier in NEF charging information | Ericsson LM | 32.291 | 0391 | 1 | Rel-17 | F | TEI17 | not pursued |
| S5-225082 | Rel-17 CR 32.291 Adding missing NodeFunctionality value for IMS | Amdocs Software Systems Ltd | 32.291 | 0408 | - | Rel-17 | F | 5GSIMSCH | revised |
| S5-225741 | Rel-17 CR 32.291 Adding missing NodeFunctionality value for IMS | Amdocs Software Systems Ltd, Ericsson | 32.291 | 0408 | 1 | Rel-17 | F | 5GSIMSCH | agreed |
| S5-225083 | Rel-17 CR 32.291 Alignment between IMSNodeFunctionality description and YAML | Amdocs Software Systems Ltd | 32.291 | 0409 | - | Rel-17 | F | 5GSIMSCH | revised |
| S5-225742 | Rel-17 CR 32.291 Alignment between IMSNodeFunctionality description and YAML | Amdocs Software Systems Ltd | 32.291 | 0409 | 1 | Rel-17 | F | 5GSIMSCH | agreed |
| S5-225261 | Rel-16 CR 32.291 Correction of secondary RAT for EPC | Ericsson LM | 32.291 | 0410 | - | Rel-16 | F | TEI16 | not pursued |
| S5-225262 | Rel-17 CR 32.291 Correction of secondary RAT for EPC | Ericsson LM | 32.291 | 0411 | - | Rel-17 | A | TEI16 | not pursued |
| S5-225265 | Rel-16 CR 32.291 Correction of IPv6 prefixes in PDU address | Ericsson LM | 32.291 | 0412 | - | Rel-16 | F | TEI16 | revised |
| S5-225744 | Rel-16 CR 32.291 Correction of IPv6 prefixes in PDU address | Ericsson LM, Huawei | 32.291 | 0412 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-225266 | Rel-17 CR 32.291 Correction of IPv6 prefixes in PDU address | Ericsson LM | 32.291 | 0413 | - | Rel-17 | A | TEI16 | revised |
| S5-225745 | Rel-17 CR 32.291 Correction of IPv6 prefixes in PDU address | Ericsson LM,Huawei | 32.291 | 0413 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-225272 | Rel-17 CR 32.291 Correction of use QMI in notify | Ericsson LM | 32.291 | 0414 | - | Rel-17 | F | TEI17 | revised |
| S5-225768 | Rel-17 CR 32.291 Correction of use QMI in notify | Ericsson LM | 32.291 | 0414 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225275 | Rel-17 CR 32.291 Correcting missing user location mapping to ASN.1 | Ericsson LM | 32.291 | 0415 | - | Rel-17 | F | TEI17 | revised |
| S5-225646 | Rel-17 CR 32.291 Correcting missing user location mapping to ASN.1 | Ericsson LM | 32.291 | 0415 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225276 | Rel-17 CR 32.291 Correcting missing CIoT indicators in yaml | Ericsson LM | 32.291 | 0416 | - | Rel-17 | F | TEI17 | revised |
| S5-225740 | Rel-17 CR 32.291 Correcting missing CIoT indicators in yaml | Ericsson LM | 32.291 | 0416 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225277 | Rel-17 CR 32.291 Correcting missing node functionality as IMS | Ericsson LM | 32.291 | 0417 | - | Rel-17 | F | TEI17 | merged |
| S5-225279 | Rel-17 CR 32.291 Correcting missing V-SMF | Ericsson LM | 32.291 | 0418 | - | Rel-17 | F | TEI17 | agreed |
| S5-225285 | Rel-16 CR 32.291 Correction of DNN definition | Ericsson LM | 32.291 | 0419 | - | Rel-16 | F | TEI16 | not pursued |
| S5-225286 | Rel-17 CR 32.291 Correction of DNN definition | Ericsson LM | 32.291 | 0420 | - | Rel-17 | A | TEI16 | not pursued |
| S5-225440 | Rel-17 CR 32.291 Correction on the IPv6 address OpenAPI | Huawei | 32.291 | 0421 | - | Rel-17 | F | TEI17 | merged |
| S5-225441 | Rel-17 CR 32.291 Correction on the ProSe OpenAPI | Huawei | 32.291 | 0422 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S5-225443 | Rel-17 CR 32.291 Correction on the Charging Identifier Uniqueness | Huawei | 32.291 | 0423 | - | Rel-17 | F | TEI17 | revised |
| S5-225771 | Rel-17 CR 32.291 Correction on the Charging Identifier Uniqueness | Huawei | 32.291 | 0423 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225447 | Rel-17 CR 32.291 Correction on the 5G LAN VN management converged Charging | Huawei | 32.291 | 0424 | - | Rel-17 | F | 5GLAN\_CH | not pursued |
| S5-225451 | Rel-17 CR 32.291 Correction on the EASRequirements | Huawei | 32.291 | 0425 | - | Rel-17 | F | EDGE\_CH | agreed |
| S5-225452 | Rel-17 CR 32.291 Correction on the mapping between EC and NEF | Huawei | 32.291 | 0426 | - | Rel-17 | F | EDGE\_CH | agreed |
| S5-225455 | Rel-17 CR 32.291 Add the EAS ID for EC charging | Huawei | 32.291 | 0427 | - | Rel-17 | F | EDGE\_CH | agreed |
| S5-225731 | Rel-16 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0428 | - | Rel-16 | F | TEI16, 5GS\_Ph1-SBI\_CH | agreed |
| S5-225732 | Rel-17 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0429 | - | Rel-17 | A | TEI16, 5GS\_Ph1-SBI\_CH | agreed |
| S5-225457 | Rel-17 CR 32.297 Correction on the Symbols for the Edge Computing | Huawei | 32.297 | 0040 | - | Rel-17 | F | EDGE\_CH | agreed |
| S5-225270 | Rel-17 CR 32.298 Missing operation and identifier in NEF charging information | Ericsson LM | 32.298 | 0896 | 1 | Rel-17 | F | TEI17 | not pursued |
| S5-225274 | Rel-17 CR 32.298 Correction ASN.1 check | Ericsson LM | 32.298 | 0905 | - | Rel-17 | F | TEI17 | revised |
| S5-225738 | Rel-17 CR 32.298 Correction ASN.1 check | Ericsson LM,Huawei | 32.298 | 0905 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225280 | Rel-17 CR 32.298 Correction missing V-SMF | Ericsson LM | 32.298 | 0906 | - | Rel-17 | F | TEI17 | revised |
| S5-225760 | Rel-17 CR 32.298 Correction missing V-SMF | Ericsson LM | 32.298 | 0906 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225281 | Rel-17 CR 32.298 Correction for undefined RAT type | Ericsson LM | 32.298 | 0907 | - | Rel-17 | F | TEI17 | not pursued |
| S5-225282 | Rel-17 CR 32.298 Correction for ATSSSCapability mapping | Ericsson LM | 32.298 | 0908 | - | Rel-17 | F | TEI17 | not pursued |
| S5-225283 | Rel-16 CR 32.298 Correction presence reporting in roaming QBC information | Ericsson LM | 32.298 | 0909 | - | Rel-16 | F | TEI16 | not pursued |
| S5-225284 | Rel-17 CR 32.298 Correction presence reporting in roaming QBC information | Ericsson LM | 32.298 | 0910 | - | Rel-17 | A | TEI16 | not pursued |
| S5-225442 | Rel-17 CR 32.298 Correction on the Charging Identifier Uniqueness | Huawei | 32.298 | 0911 | - | Rel-17 | F | TEI17 | revised |
| S5-225770 | Rel-17 CR 32.298 Correction on the Charging Identifier Uniqueness | Huawei | 32.298 | 0911 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-225446 | Rel-17 CR 32.298 Correction on the 5G LAN VN management converged Charging | Huawei | 32.298 | 0912 | - | Rel-17 | F | 5GLAN\_CH | not pursued |
| S5-225450 | Rel-17 CR 32.298 Correction on the EAS Deployment Requirements | Huawei | 32.298 | 0913 | - | Rel-17 | F | EDGE\_CH | agreed |
| S5-225456 | Rel-17 CR 32.298 Add the EAS ID for EC charging | Huawei | 32.298 | 0914 | - | Rel-17 | F | EDGE\_CH | revised |
| S5-225746 | Rel-17 CR 32.298 Add the EAS ID for EC charging | Huawei | 32.298 | 0914 | 1 | Rel-17 | F | EDGE\_CH | agreed |
| S5-225458 | Rel-17 CR 32.298 Correction on the CHF CDR ASN.1 format | Huawei | 32.298 | 0915 | - | Rel-17 | F | TEI17 | merged |
| S5-225512 | Rel-17 CR 32.298 Correction on 5G ProSe charging information to CHF CDR | CATT | 32.298 | 0916 | - | Rel-17 | F | 5G\_Prose | revised |
| S5-225776 | Rel-17 CR 32.298 Correction on 5G ProSe charging information to CHF CDR | CATT | 32.298 | 0916 | 1 | Rel-17 | F | 5G\_Prose | agreed |
| S5-225532 | Rel-16 CR 32.421 Enhancement of scope regarding RCEF | Nokia, Nokia Shanghai Bell | 32.421 | 0105 | - | Rel-16 | F | 5GMDT | agreed |
| S5-225533 | Rel-17 CR 32.421 Enhancement of scope regarding RCEF | Nokia, Nokia Shanghai Bell | 32.421 | 0106 | - | Rel-17 | A | 5GMDT | agreed |
| S5-225109 | Rel-17 CR 32.422 Correcting Support Qualifier for jobId attribute | Nokia, Nokia Shanghai Bell | 32.422 | 0395 | - | Rel-17 | F | FIMA | withdrawn |
| S5-225113 | Rel17\_CR\_32422\_Report Amount for M4, M5, M6 and M7 measurements in LTE | Nokia, Nokia Shanghai Bell | 32.422 | 0396 | - | Rel-18 | C | TEI18 | not pursued |
| S5-225117 | Rel16\_CR\_32422\_Correcting the name of referenced RAN3 RRC IE | Nokia, Nokia Shanghai Bell | 32.422 | 0397 | - | Rel-16 | F | 5GMDT | agreed |
| S5-225118 | Rel17\_CR\_32422\_Correcting the name of referenced RAN3 RRC IE | Nokia, Nokia Shanghai Bell | 32.422 | 0398 | - | Rel-17 | A | 5GMDT | agreed |
| S5-225167 | Rel-17 CR TS 32.422 Report Amount for M4, M5, M6 and M7 measurements in LTE | China Telecomunication Corp., Huawei | 32.422 | 0399 | - | Rel-17 | F | e\_5GMDT | merged |
| S5-225169 | Rel-17 CR TS 32.422 add excess packet delay threshould for signalling-based and management-based MDT | Huawei | 32.422 | 0400 | - | Rel-17 | F | e\_5GMDT | not pursued |
| S5-225322 | Rel-17 CR 32.422 Clarification of inclusion of Management based MDT PLMN (Modification) List IE in NG messages | Nokia, Nokia Shanghai Bell | 32.422 | 0401 | - | Rel-17 | F | e\_5GMDT | agreed |
| S5-225350 | Correction on NG-RAN activation mechanism | Ericsson | 32.422 | 0402 | - | Rel-17 | A | TM\_SBMA | revised |
| S5-225608 | Correction on NG-RAN activation mechanism | Ericsson | 32.422 | 0402 | 1 | Rel-17 | A | TM\_SBMA | agreed |
| S5-225351 | Correction on NG-RAN activation mechanism | Ericsson Limited | 32.422 | 0403 | - | Rel-16 | F | TM\_SBMA | revised |
| S5-225607 | Correction on NG-RAN activation mechanism | Ericsson Limited | 32.422 | 0403 | 1 | Rel-16 | F | TM\_SBMA | agreed |
| S5-225534 | Rel-16 CR 32.422 Enhancement of scope regarding RCEF | Nokia, Nokia Shanghai Bell | 32.422 | 0404 | - | Rel-16 | F | 5GMDT | agreed |
| S5-225535 | Rel-17 CR 32.422 Enhancement of scope regarding RCEF | Nokia, Nokia Shanghai Bell | 32.422 | 0405 | - | Rel-17 | A | 5GMDT | agreed |
| S5-225080 | Rel16\_CR\_32422\_Correcting the name of referenced RAN3 RRC IE | Nokia, Nokia Shanghai Bell | 32.423 | 0131 | - | Rel-16 | F | ePM\_KPI\_5G | withdrawn |
| S5-225081 | Rel17\_CR\_32422\_Correcting the name of referenced RAN3 RRC IE | Nokia, Nokia Shanghai Bell | 32.423 | 0132 | - | Rel-17 | A | ePM\_KPI\_5G | withdrawn |
| S5-225107 | Rel-16 CR 32.423 GPB schema fix for trace streaming | Nokia, Nokia Shanghai Bell | 32.423 | 0133 | - | Rel-16 | F | TEI16 | agreed |
| S5-225108 | Rel-17 CR 32.423 GPB schema fix for trace streaming | Nokia, Nokia Shanghai Bell | 32.423 | 0134 | - | Rel-17 | A | TEI16 | agreed |
| S5-225536 | Rel-16 CR 32.423 Enhancement of scope regarding RCEF | Nokia, Nokia Shanghai Bell | 32.423 | 0135 | - | Rel-16 | F | 5GMDT | withdrawn |
| S5-225537 | Rel-17 CR 32.423 Enhancement of scope regarding RCEF | Nokia, Nokia Shanghai Bell | 32.423 | 0136 | - | Rel-17 | A | 5GMDT | withdrawn |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S5-225016 |  | Resubmitted Reply LS on Enhancement on Charging Identifier Uniqueness Mechanism | C3-223669 | replied to | S5-225761 |
| S5-225017 |  | Resubmitted Liaison Response to 3GPP TSG-SA5 for Network  Slice Ordering, Provisioning & Assurance | MEF Forum | replied to | S5-225604 |
| S5-225018 |  | LS on information about BBF’s release of technical report on network slicing management | BBF | noted | (none) |
| S5-225019 |  | East/West Bound Interface for Telco Edge consideration | GSMA OPG Operator Platform API Group (OPAG) | postponed | (none) |
| S5-225020 |  | Resubmitted LS on RAN3 agreements for NR QoE | R3-222890 | postponed | (none) |
| S5-225021 |  | Reply LS on User Consent Updating | R3-224076 | replied to | S5-225321 |
| S5-225022 |  | Resubmitted LS on M6 Delay Threshold | R3-224079 | postponed | (none) |
| S5-225023 |  | Resubmitted Reply LS on Report Amount for M4, M5, M6 and M7 measurements | R3-224084 | replied to | S5-225614 |
| S5-225024 |  | Resubmitted LS on O-RAN – UML models and tools to be used by 3GPP SA5 | O-RAN | replied to | S5-225602 |
| S5-225025 |  | Resubmitted LS on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541 | O-RAN | postponed | (none) |
| S5-225026 |  | LS on initiation new work item M.fidtom: ""Framework of intent driven telecom operation and management"" | ITU-T Study Group 2 | replied to | S5-225599 |
| S5-225027 |  | LS on progress about intelligence levels evaluation of AITOM in Q6/2 | ITU-T Study Group 2 | noted | (none) |
| S5-225028 |  | LS on initiation of new Recommendation ITU-T M.rsmca, ""Requirements for smart maintenance of cell antenna"" | ITU-T Study Group 2 | noted | (none) |
| S5-225029 |  | LS/r on feedback on the working on the energy efficiency of 5G networks (reply to 3GPP TSG SA5-S5-221502) | ITU-T Study Group 2 | noted | (none) |
| S5-225030 |  | Resubmitted LS/r on methodology harmonization update (reply to 3GPP TSG SA5-S5-222570) | ITU-T Study Group 2 | replied to | S5-225615 |
| S5-225031 |  | Resubmitted LS on Publication of GS ZSM009-2 and information about related ETSI ISG ZSM work | ETSI ISG ZSM | postponed | (none) |
| S5-225032 |  | LS on the approval of a new ITU-T Supplement on use cases for autonomous networks | ITU-T SG13 | noted | (none) |
| S5-225055 |  | LS/r on energy saving management of 5G RAN with AI (reply to 3GPP TSG SA5-S5-221502 ) | ITU-T SG5 | noted | (none) |
| S5-225074 |  | LS/r on 5G Network Energy Efficiency and Energy Saving (reply to 3GPP TSG SA5-S5-221680) | ITU-T SG5 | noted | (none) |
| S5-225596 |  | LS/r on Use cases for Autonomous Networks (reply to 3GPP TSG SA5--222560-LS34) | ITU-T SG13 | noted | (none) |
| S5-225597 |  | LS on 3GPP SA5 work on intent-driven management S5-224343 | TM Forum | noted | (none) |
| S5-225598 |  | LS on UE to application server latency | GSMA OPG | postponed | (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S5-225321 | Reply LS on User Consent Updating | 3GPP RAN3 | 3GPP CT4, 3GPP SA3 | S5-225021 |
| S5-225599 | Reply to: LS on initiation new work item M.fidtom: ""Framework of intent driven telecom operation and management"" | ITU-T Study Group 2 | - | S5-225026 |
| S5-225602 | Reply to: LS on O-RAN – UML models and tools to be used by 3GPP SA5 | O-RAN | SA, RAN | S5-225024 |
| S5-225604 | Reply to: Resubmitted Liaison Response to 3GPP TSG-SA5 for Network  Slice Ordering, Provisioning & Assurance | MEF Forum | - | S5-225017 |
| S5-225614 | Reply LS on Report Amount for M4, M5, M6 and M7 measurements | RAN3 | - | S5-225023 |
| S5-225615 | Reply LS on LS/r on methodology harmonization update | ITU-T STUDY GROUP 2 | - | S5-225030 |
| S5-225761 | Reply to: Resubmitted Reply LS on Enhancement on Charging Identifier Uniqueness Mechanism | CT3,CT4 | - | S5-225016 |
| S5-225775 | LS on Reference point allocation to support charging services | SA2 | - |  |

## Annex D: List of agreed/approved new and revised Work Items

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S5-225617 | Study on Data Management | Nokia, Nokia Shanghai Bell | SID new |
| S5-225616 | New WID on methodology for deprecation. | Ericsson | WID new |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| S5-225656 | 28.910 | 0.3.0 | Latest draft TR 28.910 |
| S5-225657 | 28.912 | 0.4.0 | Latest draft TR 28.912 |
| S5-225659 | 28.908 | 0.4.0 | Latest draft TR 28.908 |
| S5-225660 | 28.864 | 0.4.0 | Latest draft TR 28.864 |
| S5-225661 | 28.830 | 0.3.0 | Latest draft TR 28.830 |
| S5-225663 | 28.925 | 0.8.0 | Latest draft TR 28.925 |
| S5-225664 | 28.831 | 0.4.0 | Latest draft TR 28.831 |
| S5-225665 | 28.832 | 0.3.0 | Latest draft TR 28.832 |
| S5-225666 | 28.833 | 0.4.0 | Latest draft TR 28.833 |
| S5-225667 | 28.834 | 0.3.0 | Latest draft TR 28.834 |
| S5-225668 | 28.835 | 0.4.0 | Latest draft TR 28.835 |
| S5-225669 | 28.837 | 0.4.0 | Latest draft TR 28.837 |
| S5-225671 | 28.841 | 0.2.0 | Latest draft TR 28.841 |
| S5-225672 | 28.907 | 0.4.0 | Latest draft TR 28.907 |
| S5-225673 | 28.913 | 0.3.0 | Latest draft TR 28.913 |
| S5-225674 | 28.829 | 0.4.0 | Latest draft TR 28.829 |
| S5-225675 | 28.863 | 0.3.0 | Latest draft TR 28.863 |
| S5-225677 | 28.824 | 0.9.0 | Latest draft TR 28.824 |
| S5-225678 | 28.903 | 0.4.0 | Latest draft TR 28.903 |
| S5-225715 | 32.847 | 1.4.0 | Draft TR 32.847 |
| S5-225716 | 28.826 | 0.7.0 | Draft TR 28.826 |
| S5-225717 | 28.827 | 1.4.0 | Draft TR 28.827 |
| S5-225718 | 28.828 | 0.4.0 | Draft TR 28.828 |

## Annex F: List of participants

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Organization Represented | Organization Represented Category Code |
| Dr. | Al-kanani | Hassan | NEC Europe Ltd | NEC Corporation | ETSI |
| Mrs. | Allwang | Christiane | Nokia Germany | Nokia France | ETSI |
| Mr. | Andrianov | Anatoly | Nokia Germany | Nokia | ATIS |
| Mr. | Aravindakshan | Jishnu | Tejas Networks Ltd. | Tejas Networks Ltd. | TSDSI |
| Mr. | Audebert | Vincent | EDF Recherche et Développement | EDF Recherche et Développement | ETSI |
| Mrs. | Ayani | Zhulia | Ericsson LM | Ericsson-LG Co., LTD | TTA |
| Mr. | Bagdonavicius | Romualdas | Telia Company AB | Telia Company AB | ETSI |
| Mr. | Berisot | Thierry | NOVAMINT | NOVAMINT | ETSI |
| Mr. | Brown | Michael | Microsoft Europe SARL | Microsoft Europe SARL | ETSI |
| Mr. | Cano Soveri | Mirko | ETSI | ETSI | ETSI |
| Mr. | Cao | Gen | China Unicom | China Unicom | CCSA |
| Miss | cao | guangjing | China Mobile Com. Corporation | China Mobile Com. Corporation | CCSA |
| Mr. | Cao | Longyu | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Telecommunication India | TSDSI |
| Dr. | Cao | Xi | China Mobile Com. Corporation | China Mobile International Ltd | CCSA |
| Dr. | Cetinkaya | Egemen | Verizon UK Ltd | Verizon Denmark | ETSI |
| Dr. | Chaoub | Abdelaali | OQTEC | OQTEC | ETSI |
| Dr. | Chen | Ai | China Mobile Com. Corporation | China Mobile (Hangzhou) Inf. | CCSA |
| Ms. | Chen | Lijuan | ZTE Corporation | ShenZhen Zhongxing Shitong | CCSA |
| Miss | CHEN | SHAN | Huawei Tech.(UK) Co.. Ltd | HiSilicon Technologies Co. Ltd | CCSA |
| Miss | Chen | Xiumin | China Telecommunications | China Telecomunication Corp. | CCSA |
| Mr. | Chen | Yu | China Telecommunications | China Telecommunications | ETSI |
| Dr. | Chiba | Tsunehiko | VIAVI Solutions | VIAVI Solutions | ETSI |
| Mr. | Chou | Joey | Intel Corporation (UK) Ltd | Intel Korea, Ltd. | TTA |
| Dr. | CORNILY | Jean-Michel | Huawei Technologies France | Huawei Technologies France | ETSI |
| Ms. | Deng | Lingli | China Mobile Research Inst. | China Mobile (Suzhou) Software | CCSA |
| Dr. | Dong | Hao | ZTE Corporation | ZTE Photonics | CCSA |
| Miss | Dong | Jia | China Mobile E-Commerce Co. | China Mobile M2M Company Ltd. | CCSA |
| Mr. | Elmdahl | Per | Ericsson France S.A.S | Ericsson France S.A.S | ETSI |
| Mr. | Gautam | Deepanshu | Samsung R&D Institute UK | Samsung R&D Institute UK | ETSI |
| Mr. | Glozman | Borislav | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd | ETSI |
| Mrs. | Godoy | Gabriela | SDI Squared | SDI Squared | ETSI |
| Ms. | Gong | Ruby | Beijing Xiaomi Mobile Software | Xiaomi EV Technology | CCSA |
| Mr. | Görmer | Gerald | MATRIXX Software | MATRIXX Software | ETSI |
| Mr. | Groenendijk | Jan | Ericsson LM | L.M. Ericsson Limited | ETSI |
| Mr. | Guo | Yi | Intel Corporation (UK) Ltd | Intel Belgium SA/NV | ETSI |
| Ms. | Gupta | Monika | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd | ETSI |
| Mr. | Gupta | Varini | Samsung R&D Institute India | Samsung Research America | ATIS |
| Mr. | Guttman | Erik | Samsung R&D Institute UK | Samsung Electronics Polska | ETSI |
| Dr. | Han | Jaemin | Intel Technology India Pvt Ltd | Intel Romania | ETSI |
| Mr. | Hassett | Brendan | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Sweden AB | ETSI |
| Mr. | Hatanaka | Yoshitaka | NTT DOCOMO INC. | NTT DOCOMO INC. | TTC |
| Mr. | Henry | Dan | NTIA | NTIA | ATIS |
| Mr. | Horvat | Atila | Hewlett-Packard Enterprise | Hewlett-Packard Enterprise | ETSI |
| Ms. | Hu | Yaxi | China Mobile Com. Corporation | China Mobile Com. Corporation | CCSA |
| Miss | Hu | Yushuang | China Mobile Com. Corporation | China Mobile E-Commerce Co. | CCSA |
| Miss | Huang | Xietian | HUAWEI Technologies Japan K.K. | HUAWEI Technologies Japan K.K. | ARIB |
| Mr. | Jerbi | Walid | Deutsche Telekom AG | T-Mobile Polska S.A. | ETSI |
| Mr. | Ju | Manchang | ZTE Corporation | Sanechips | CCSA |
| Mr. | Kaushik | Ashutosh | Samsung R&D Institute UK | Samsung Electronics Nordic AB | ETSI |
| Miss | Kedalagudde | Meghashree D | Intel Deutschland GmbH | Intel Corporation SAS | ETSI |
| Mr. | Klotz | Michael | Deutsche Telekom AG | Deutsche Telekom AG | ETSI |
| Mr. | Kolekar | Abhijeet | Intel Corporation (UK) Ltd | Intel | ATIS |
| Dr. | Kollar | Martin | Nokia Solutions & Networks (I) | Nokia Denmark | ETSI |
| Mr. | Kono | Tomoki | DOCOMO Communications Lab. | NTT DOCOMO INC. | TTC |
| Mr. | Kumar | Lalith | Samsung R&D Institute India | Samsung Electronics Czech | ETSI |
| Mr. | Lengyel | Balazs | Ericsson Hungary Ltd | Ericsson Hungary Ltd | ETSI |
| Ms. | Li | Chenyi | China Unicom | Unicompay | CCSA |
| Mr. | Li | Gang | Nanjing Ericsson Panda Com Ltd | Nanjing Ericsson Panda Com Ltd | CCSA |
| Mrs. | li | jing | China Unicom | China Unicom | CCSA |
| Mr. | Li | Shitao | Huawei Tech.(UK) Co.. Ltd | HUAWEI TECH. GmbH | ETSI |
| Miss | li | weiyuan | China Mobile Com. Corporation | China Mobile Group Device Co. | CCSA |
| Mr. | Li | Xiangning | China Telecommunications | China Telecommunications | ETSI |
| Mr. | Li | Zhendong | Nubia Technology Co.,Ltd | ZTE Wistron Telecom AB | ETSI |
| Mr. | Li | Zhijun | ZTE Corporation | ZTE Corporation | ETSI |
| Dr. | Liang | Haoran | Xiaomi Communications | Xiaomi Communications | CCSA |
| Miss | liang | lixin | China Telecommunications | China Telecomunication Corp. | CCSA |
| Miss | Liang | Shuang | Nubia Technology Co.,Ltd | ZONSON | CCSA |
| Mr. | Libunao | Gerardo | Verizon UK Ltd | Verizon UK Ltd | ETSI |
| Miss | Lin | Lin | China Unicom | Unicom Broadband Online | CCSA |
| Mr. | LIU | Jianning(Carry) | Beijing Xiaomi Software Tech | Beijing Xiaomi Software Tech | CCSA |
| Mr. | Lu | Yang | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies (Korea) | TTA |
| Mr. | Luetzenkirchen | Thomas | Intel Deutschland GmbH | Intel Deutschland GmbH | ETSI |
| Ms. | Ma | Limeng | AsiaInfo Technologies Inc | AsiaInfo Technologies Inc | ETSI |
| Mr. | Ma | Ruitao | China Unicom | CUG | CCSA |
| Mr. | MAO | Yuxin | Beijing Xiaomi Mobile Software | Xiaomi Technology | CCSA |
| Miss | Martinez Tarradell | Marta | Intel | Intel Corporation Italia SpA | ETSI |
| Mr. | McDonnell | Eoin | Ericsson LM | Ericsson Telecomunicazioni SpA | ETSI |
| Mr. | Mo | Zhiwei | China Telecommunications | China Telecommunications | ETSI |
| Mr. | Moazzeni Bikani | Pooya | Ericsson LM | Ericsson India Private Limited | TSDSI |
| Dr. | Mwanje | Stephen | Nokia | Nokia Belgium | ETSI |
| Mr. | NAKAMURA | Kazuo | NICT | NICT | ARIB |
| Mr. | Nakano | Yusuke | KDDI Corporation | KDDI Corporation | ARIB |
| Dr. | Nakimuli | Winnie | Nokia France | Nokia Japan | ARIB |
| Mr. | Niang | Mamadou M. | Verizon UK Ltd | Verizon Spain | ETSI |
| Ms. | Niu | Yuxia | China Telecom Corporation Ltd. | Chinatelecom Cloud | CCSA |
| Mr. | Ogaki | Kenichi | KDDI Corporation | KDDI Corporation | TTC |
| Mr. | Okada | Takuya | KDDI Corporation | KDDI Corporation | TTC |
| Dr. | Palat | Sudeep | Intel Corporation (UK) Ltd | Intel Corporation (UK) Ltd | ETSI |
| Mr. | Patry | Frank | Omnispace | Omnispace | ATIS |
| Mr. | Petersen | Robert | Ericsson LM | Ericsson Japan K.K. | ARIB |
| Dr. | Pollakowski | Olaf | Nokia Germany | Nokia Germany | ETSI |
| Mr. | Pozo | Sergio | VODAFONE Group Plc | VODAFONE Group Plc | ETSI |
| Mr. | Qi | Tongya | ZEKU | ZEKU | CCSA |
| Miss | Qi | Wen | China Telecommunications | China Telecommunications | ETSI |
| Dr. | qin | chuan | CENC | CENC | CCSA |
| Miss | Ramazanirend | Elmira | VODAFONE Group Plc | Vodafone Italia SpA | ETSI |
| Mr. | Ren | Chi | China Unicom | CITC | CCSA |
| Mr. | Rodrigues | Joao | Nokia | Nokia UK | ETSI |
| Mr. | Ronco | Enrico | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. | ETSI |
| Mr. | Ruan | Bangqiu | ZTE Corporation | ZTE Corporation | ETSI |
| Ms. | Sabater | Susana | VODAFONE Group Plc | Vodafone GmbH | ETSI |
| Dr. | Sadeghi | Bahar | Microsoft Europe SARL | Microsoft Europe SARL | ETSI |
| Mr. | Scott | Mark | Ericsson LM | Ericsson Inc. | ATIS |
| Dr. | Shailendra | Samar | Intel Technology India Pvt Ltd | Intel Technology India Pvt Ltd | TSDSI |
| Mr. | Shan | Changhong | Intel Corporation (UK) Ltd | Intel China Ltd. | CCSA |
| Miss | shang | zhengyi | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software | CCSA |
| Mrs. | Shi | xiaoli | HUAWEI TECHNOLOGIES Co. Ltd. | HUAWEI Technologies Japan K.K. | ARIB |
| Mr. | Shi | Xiaoyan | Intel | Intel Ireland | ETSI |
| Mr. | Shu | Min | CATT | CATT | ETSI |
| Mr. | Smith | David K. | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL | ETSI |
| Mr. | Sofuoglu | Serkan | P.I. WORKS | P.I. WORKS | ETSI |
| Miss | Song | Xiaojia | China Mobile Research Inst. | China Mobile Com. Corporation | CCSA |
| Mr. | Srinivasan | Suresh | Intel | Intel K.K. | ARIB |
| Miss | Srinivasaraju | Srilakshmi | Nokia Corporation | Nokia Hungary | ETSI |
| Mr. | Stojanovski | Saso | Intel Deutschland GmbH | Intel Finland Oy | ETSI |
| Mr. | Subramanya | Tejas | Nokia Germany | Nokia Korea | TTA |
| Mr. | Sun | Mingrui | China Unicom | China Unicom | CCSA |
| Ms. | Sun | Qi | China Mobile Research Inst. | China Mobile Com. Corporation | CCSA |
| Mr. | Sun | Sean | Nokia Shanghai Bell | Nokia Solutions & Networks (I) | TSDSI |
| Mr. | Swaminathan | Sivaramakrishnan | Nokia Germany | Nokia Poland | ETSI |
| Mr. | Thakur | Raghuvamshi | Oracle Corporation | Oracle Corporation | ETSI |
| Mr. | Thalanany | Sebastian | US Cellular Corporation | US Cellular Corporation | ATIS |
| Mr. | Tokel | Baris | ASELSAN | ASELSAN | ETSI |
| Mr. | Törnkvist | Robert | Ericsson LM | Ericsson España S.A. | ETSI |
| Mr. | Tovinger | Thomas | Ericsson LM | Ericsson LM | ETSI |
| Miss | tunali | aysegul | ASELSAN | ASELSAN | ETSI |
| Mr. | Vaishnavi | Ishan | Lenovo (Beijing) Ltd | Lenovo Information Technology | CCSA |
| Ms. | Wang | Junfeng | Ericsson LM | Oy LM Ericsson AB | ETSI |
| Ms. | Wang | Man | HuaWei Technologies Co., Ltd | Huawei Technologies Japan K.K. | TTC |
| Miss | Wang | Menghan | ZTE Corporation | Nubia Technology Co.,Ltd | CCSA |
| Dr. | Wang | Zhaoning | China Unicom | China Unicom | CCSA |
| Ms. | WEI | QUN | China Unicom | BTPDI | CCSA |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software | ETSI |
| Mr. | Xie | Baoguo | ZTE Corporation | ZTE Wistron Telecom AB | ETSI |
| Mr. | Xing | TianQi | China Unicom | CU Digital Technology | CCSA |
| Mr. | XING | XIAOCHENG | HUAWEI TECHNOLOGIES Co. Ltd. | HUAWEI TECHNOLOGIES Co. Ltd. | ETSI |
| Mr. | Xu | Ruiyue | Huawei Tech.(UK) Co.. Ltd | Huawei Device Co., Ltd | CCSA |
| Miss | Yan | Xiaojian | ZTE Corporation | CALTTA | CCSA |
| Dr. | Yao | Ge | China Unicom | VSENS | CCSA |
| Mr. | Yao | Yizhi | Intel Corporation (UK) Ltd | Intel Technology Poland SP Zoo | ETSI |
| Mrs. | Yeltekin | Yasemin | ASELSAN | ASELSAN | ETSI |
| Dr. | Yi | Yunjung | CableLabs | CableLabs | ETSI |
| Dr. | Yu | Xiaobo | Alibaba (China) Group., Ltd. | Alibaba (China) Group., Ltd. | CCSA |
| Mr. | Yun | Andy | TELUS | TELUS | ATIS |
| Mr. | Zadeh | Bagher | Ericsson LM | Ericsson Limited | ETSI |
| Miss | Zhang | Jiachen | China Mobile Research Inst. | CMDI | CCSA |
| Mr. | Zhang | Jian | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Japan K.K. | TTC |
| Mr. | Zhang | Kai | Huawei Tech.(UK) Co.. Ltd | Huawei Technologies R&D UK | ETSI |
| Ms. | Zhang | Ling | Siemens AG | Siemens AG | ETSI |
| Ms. | Zhang | Yuan | ZEKU | ZEKU | CCSA |
| Dr. | Zhao | Shuai | Intel | Intel Sweden AB | ETSI |
| Mr. | Zhao | Song | China Telecom Corporation Ltd. | China Telecom Corporation Ltd. | CCSA |
| Miss | Zhao | Xian | Huawei Technologies France | Huawei Technologies R&D UK | ETSI |
| Miss | Zhou | Xingyue | ZTE Corporation | ZTE Corporation. | CCSA |
| Mr. | Zhu | Chunhui | Beijing Xiaomi Mobile Software | Beijing Xiaomi Electronics | CCSA |
| Mr. | Zhu | Jinguo | ZTE Corporation. | ZTE Corporation. | CCSA |
| Mr. | Zhu | Lei | Huawei Tech.(UK) Co.. Ltd | Huawei Tech.(UK) Co.. Ltd | ETSI |
| Ms. | Zou | Lan | Huawei Tech.(UK) Co.. Ltd | HuaWei Technologies Co., Ltd | CCSA |

## Annex G: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA5#146 | 2022-11-14 | 2022-11-18 | Toulouse | FR | S5-146 |
| Antitrust Compliance Training | 2022-12-06 | 2022-12-06 | Online |  | S5-Antitrust Complia |
| SA5-Ad Hoc | 2023-01-16 | 2023-01-20 | TBD |  | S5-0 |
| SA5#147 | 2023-02-27 | 2023-03-03 | EU | EU | S5-147 |
| SA5#148 | 2023-04-17 | 2023-04-21 | TBD | US | S5-148 |
| SA5#149 | 2023-05-22 | 2023-05-26 | China | CN | S5-149 |
| SA5#150 | 2023-08-21 | 2023-08-25 | EU | EU | S5-150 |
| SA5#151 | 2023-10-09 | 2023-10-13 | Japan | JP | S5-151 |
| SA5#152 | 2023-11-13 | 2023-11-17 | TBD | US | S5-152 |
| SA5#153 | 2024-01-29 | 2024-02-02 | TBD |  | S5-153 |
| SA5#154 | 2024-04-15 | 2024-04-19 | TBD |  | S5-154 |
| SA5#155 | 2024-05-27 | 2024-05-31 | TBD |  | S5-155 |
| SA5#156 | 2024-08-19 | 2024-08-23 | TBD |  | S5-156 |
| SA5#157 | 2024-10-14 | 2024-10-18 | TBD |  | S5-157 |
| SA5#158 | 2024-11-18 | 2024-11-22 | TBD |  | S5-158 |